

LISTADO DE SECUENCIAS

<110> Adaptate Biotherapeutics Ltd

<120> ANTICUERPOS ANTI-VARIABLE DELTA 1 DE TCR

<130> P142024WO

<150> GB2102224.9

<151> 17-02-2021

<150> GB2111685.0

<151> 14-08-2021

<160> 505

<170> PatentIn versión 3.5

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<213> Homo Sapiens

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<223> Pesado variable de ADT1-4

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Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

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Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ser Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 2

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<213> Homo sapiens

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<223> Pesado variable de ADT1-4-105

<400> 2

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
				20					25					30	

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
				35				40					45		

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
				50				55					60		

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65						70					75				80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
						85					90				95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 3

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<213> Homo sapiens

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<223> Pesado variable de ADT1-4-107

<400> 3

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

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Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln

100

105

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Gly Thr Leu Val Thr Val Ser Ser

115

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<210> 4

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<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-110

<400> 4

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

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15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Glu Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 5

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<213> Homo sapiens

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<223> Pesado variable de ADT1-4-112

<400> 5

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50						55					60			

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85						90					95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 6

<211> 120

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<213> Homo sapiens

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<223> Pesado variable de ADT1-4-117

<400> 6

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

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Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 7

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<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-19

<400> 7

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 8

<211> 120

<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-21

<400> 8

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Val	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50						55				60				

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85						90				95	

Tyr Tyr Cys Ala Arg Thr Trp Ala Asp Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 9

<211> 120

<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-31

<400> 9

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

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Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 10

<211> 120

<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-139

<400> 10

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 11
<211> 120
<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-4

<400> 11

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
				20					25					30	

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
				35				40					45		

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
				50				55					60		

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65						70					75				80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
						85					90				95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 12

<211> 120

<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-143

<400> 12

Glu Val Gln Leu Leu Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

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95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 13

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-53

<400> 13

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Val Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ala Asp Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 14
<211> 120
<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-173

<400> 14

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
				20					25					30	

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
			35					40					45		

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
		50						55					60		

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65						70					75				80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
						85					90				95

Tyr Tyr Cys Ala Arg Thr Trp Ala Gly Tyr Pro Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 15

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-2

<400> 15

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

90

95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 16

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-8

<400> 16

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Ser Trp Val Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 17
<211> 120
<212> PRT

<213> Homo Sapiens

<220>

<223> Pesado variable de ADT1-4-82

<400> 17

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
				20					25					30	

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
			35					40					45		

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
		50						55					60		

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65						70					75				80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
						85					90				95

Tyr Tyr Cys Ala Arg Ser Trp Val Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 18

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-83

<400> 18

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

90

95

Tyr Tyr Cys Ala Arg Ser Trp Val Gly Tyr Val Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 19

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-3

<400> 19

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ala Asp Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 20

<211> 120

<212> PRT

<213> Homo sapiens

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<223> Pesado variable de ADT1-4-84

<400> 20

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50					55					60				

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85					90					95	

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 21

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-86

<400> 21

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Val Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

90

95

Tyr Tyr Cys Ala Arg Thr Trp Leu Gly Asn Val Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 22

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-95

<400> 22

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 23

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-1

<400> 23

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50					55					60				

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80

Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85						90					95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Ala Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 24

<211> 120

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<213> Homo sapiens

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<223> Pesado variable de ADT1-4-6

<400> 24

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala

50

55

60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn

65

70

75

80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val

85

90

95

Tyr Tyr Cys Ala Arg Thr Trp Ala Gly Tyr Pro Asp Val Trp Gly Gln

100

105

110

Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 25

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<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-4-138

<400> 25

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ala Asp Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 26

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4

<400> 26

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn
			20					25					30		

Asp	Trp	Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Ser	Arg	Phe
	50						55				60				

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65					70					75					80

Gln	Pro	Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr
				85					90					95	

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105 110

<210> 27

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-105

<400> 27

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65

70

75

80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Gln

85

90

95

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

100

105

<210> 28

<211> 108

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<223> Liviano variable de ADT1-4-107

<400> 28

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1

5

10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp

20

25

30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr Pro Gln
85 90 95

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 29

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-110

<400> 29

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Gln
85 90 95

Val Thr Phe Gly Ala Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 30

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-112

<400> 30

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Lys	Tyr	Ser	Gln	Pro	Gln
				85					90					95	

Val	Thr	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	Ile	Lys
			100					105			

<210> 31

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-117

<400> 31

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr Pro Arg
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 32

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-19

<400> 32

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Lys
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 33

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-21

<400> 33

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Trp
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 34

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-31

<400> 34

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1	5	10	15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp			
	20	25	30
Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile			
	35	40	45
Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly			
	50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro			
65		70	75
Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr Pro Pro			
	85	90	95
Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys			
	100	105	

<210> 35

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-139

<400> 35

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Thr	Pro	Gln
				85					90					95	

Leu	Thr	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	Ile	Lys
			100					105			

<210> 36

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-4

<400> 36

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50						55					60			

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65						70				75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Trp
				85					90					95	

Val	Thr	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	Ile	Lys
			100					105			

<210> 37

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-143

<400> 37

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
			35				40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65

70

75

80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr His Gln

85

90

95

Val Thr Phe Gly Gln Gly Thr Arg Leu Val Ile Lys

100

105

<210> 38

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-53

<400> 38

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1

5

10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp

20

25

30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Gln
85 90 95

Leu Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 39

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-173

<400> 39

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 40

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-2

<400> 40

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50						55					60			

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Lys	Tyr	Ser	Ala	Pro	Gln
				85					90					95	

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

100

105

<210> 41

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-8

<400> 41

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25						30	

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50						55					60			

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65						70				75				80	

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 42

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-82

<400> 42

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr Pro Gln
85 90 95

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 43

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-83

<400> 43

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Glu Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 44

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-3

<400> 44

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Glu
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 45

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-84

<400> 45

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Lys	Tyr	Ser	Asp	Pro	Gln
				85					90					95	

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

100

105

<210> 46

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-86

<400> 46

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1

5

10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp

20

25

30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Glu Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 47

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-95

<400> 47

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65

70

75

80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Thr Pro Gln

85

90

95

Val Thr Phe Gly Ser Gly Thr Arg Leu Glu Ile Lys

100

105

<210> 48

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-1

<400> 48

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1

5

10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Arg Tyr Ser Thr Pro Ile
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 49

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-6

<400> 49

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Lys Thr Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
100 105

<210> 50
<211> 108
<212> PRT
<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-4-138

<400> 50

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50						55					60			

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Arg	Tyr	Ser	Thr	Asp	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

100

105

<210> 51

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VHCDR1 (parental y clones con maduración de afinidad)

<400> 51

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala

1

5

10

<210> 52

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-21/ADT1-4-53/ADT1-4-86 VHCDR1

<400> 52

Gly Asp Ser Val Ser Ser Lys Ser Val Ala

1 5 10

<210> 53

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VHCDR2 (parental y todos los clones con maduración de afinidad)

<400> 53

Thr Tyr Tyr Arg Ser Lys Trp Ser Thr

1 5

<210> 54

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VHCDR3

<400> 54

Thr Trp Ser Gly Tyr Val Asp Val

1 5

<210> 55

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-105 VHCDR3

<400> 55

Thr Trp Val Gly Tyr Val Asp Val

1 5

<210> 56

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-107 VHCDR3

<400> 56

Thr Trp Val Gly Tyr Ala Asp Val
1 5

<210> 57

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-110 VHCDR3

<400> 57

Thr Trp Val Glu Tyr Val Asp Val
1 5

<210> 58

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-112 VHCDR3

<400> 58

Thr Trp Val Gly Tyr Val Asp Tyr

1 5

<210> 59

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-117 VHCDR3

<400> 59

Thr Trp Val Gly Tyr Val Asp Val

1 5

<210> 60

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-19 VHCDR3

<400> 60

Thr Trp Val Gly Tyr Val Asp Arg
1 5

<210> 61

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-21 VHCDR3

<400> 61

Thr Trp Ala Asp Tyr Val Asp Val
1 5

<210> 62

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-31 VHCDR3

<400> 62

Thr Trp Val Gly Tyr Ala Asp Val

1

5

<210> 63

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-139 VHCDR3

<400> 63

Thr Trp Val Gly Tyr Val Asp Tyr

1

5

<210> 64

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-4 VHCDR3

<400> 64

Thr Trp Val Gly Tyr Ala Asp Val

1

5

<210> 65

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-143 VHCDR3

<400> 65

Thr Trp Val Gly Tyr Ala Asp Val

1 5

<210> 66

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-53 VHCDR3

<400> 66

Thr Trp Ala Asp Tyr Val Asp Val

1 5

<210> 67

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-173 VHCDR3

<400> 67

Thr Trp Ala Gly Tyr Pro Asp Val

1 5

<210> 68

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 VHCDR3

<400> 68

Thr Trp Val Gly Tyr Val Asp Arg

1 5

<210> 69

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-8 VHCDR3

<400> 69

Thr Trp Val Gly Tyr Ala Asp Val

1 5

<210> 70

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-82 VHCDR3

<400> 70

Ser Trp Val Gly Tyr Val Asp Val

1 5

<210> 71

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-83 VHCDR3

<400> 71

Ser Trp Val Gly Tyr Val Asp Val

1 5

<210> 72

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-3 VHCDR3

<400> 72

Thr Trp Ala Asp Tyr Val Asp Val

1 5

<210> 73

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-84 VHCDR3

<400> 73

Thr Trp Val Gly Tyr Ala Asp Val

1 5

<210> 74

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-86 VHCDR3

<400> 74

Thr Trp Leu Gly Asn Val Asp Val

1 5

<210> 75

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-95 VHCDR3

<400> 75

Thr Trp Val Gly Tyr Ala Asp Val

1 5

<210> 76

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-1 VHCDR3

<400> 76

Thr Trp Val Gly Tyr Ala Asp Val

1 5

<210> 77

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-6 VHCDR3

<400> 77

Thr Trp Ala Gly Tyr Pro Asp Val

1 5

<210> 78

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-138 VHCDR3

<400> 78

Thr Trp Ala Asp Tyr Val Asp Val

1 5

<210> 79

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VLCDR1 (parental y todos los clones con maduración de afinidad)

<400> 79

Gln Asp Ile Asn Asp Trp

1 5

<210> 80

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VLCDR2 (parental y todos los clones con maduración de afinidad)

<400> 80

Asp Ala Ser

1

<210> 81

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 VLCDR3

<400> 81

Gln	Gln	Ser	Tyr	Ser	Thr	Pro	Gln	Val	Thr
1				5					10

<210> 82

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-105 VLCDR3

<400> 82

Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Gln	Ile	Thr
1				5					10

<210> 83

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-107 VLCDR3

<400> 83

Gln Gln Arg Tyr Ser Thr Pro Gln Ile Thr

1 5 10

<210> 84

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-110 VLCDR3

<400> 84

Gln Gln Lys Tyr Ser Thr Pro Gln Val Thr

1 5 10

<210> 85

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-112 VLCDR3

<400> 85

Gln	Gln	Lys	Tyr	Ser	Gln	Pro	Gln	Val	Thr
1				5					10

<210> 86

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-117 VLCDR3

<400> 86

Gln	Gln	Arg	Tyr	Ser	Thr	Pro	Arg	Val	Thr
1				5					10

<210> 87

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-19 VLCDR3

<400> 87

Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Lys	Val	Thr
1				5					10

<210> 88

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-21 VLCDR3

<400> 88

Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Trp	Val	Thr
1				5					10

<210> 89

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-31 VLCDR3

<400> 89

Gln	Gln	Arg	Tyr	Ser	Thr	Pro	Pro	Val	Thr
1				5					10

<210> 90

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-139 VLCDR3

<400> 90

Gln	Gln	Gly	Tyr	Ser	Thr	Pro	Gln	Leu	Thr
1				5					10

<210> 91

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-4 VLCDR3

<400> 91

Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Trp	Val	Thr
1				5					10

<210> 92

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-143 VLCDR3

<400> 92

Gln	Gln	Arg	Tyr	Ser	Thr	His	Gln	Val	Thr
1				5					10

<210> 93

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-53 VLCDR3

<400> 93

Gln	Gln	Lys	Tyr	Ser	Thr	Pro	Gln	Leu	Thr
1				5					10

<210> 94

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-173 VLCDR3

<400> 94

Gln	Gln	Lys	Tyr	Ser	Ala	Pro	Gln	Val	Thr
1				5					10

<210> 95

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 VLCDR3

<400> 95

Gln	Gln	Lys	Tyr	Ser	Ala	Pro	Gln	Val	Thr
1				5					10

<210> 96

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-8 VLCDR3

<400> 96

Gln	Gln	Lys	Tyr	Ser	Ala	Pro	Gln	Val	Thr
1				5					10

<210> 97

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-82 VLCDR3

<400> 97

Gln Gln Arg Tyr Ser Thr Pro Gln Ile Thr
1 5 10

<210> 98

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-83 VLCDR3

<400> 98

Gln Gln Lys Tyr Ser Glu Pro Gln Val Thr
1 5 10

<210> 99

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-3 VLCDR3

<400> 99

Gln Gln Lys Tyr Ser Thr Pro Glu Val Thr

1 5 10

<210> 100

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-84 VLCDR3

<400> 100

Gln Gln Lys Tyr Ser Asp Pro Gln Val Thr

1 5 10

<210> 101

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-86 VLCDR3

<400> 101

Gln Gln Lys Tyr Ser Glu Pro Gln Val Thr

1 5 10

<210> 102

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-95 VLCDR3

<400> 102

Gln Gln Lys Tyr Ser Thr Pro Gln Val Thr

1 5 10

<210> 103

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-1 VLCDR3

<400> 103

Gln Gln Arg Tyr Ser Thr Pro Ile Val Thr

1 5 10

<210> 104

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-6 VLCDR3

<400> 104

Gln	Gln	Lys	Tyr	Lys	Thr	Pro	Gln	Val	Thr
1				5					10

<210> 105

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-138 VLCDR3

<400> 105

Gln	Gln	Arg	Tyr	Ser	Thr	Asp	Gln	Val	Thr
1				5					10

<210> 106

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7

<400> 106

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
			20					25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50						55					60			

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Ala Arg Val Asp Tyr Ala Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 107

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-10

<400> 107

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Asp Tyr Asn Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 108

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-15

<400> 108

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Asp Tyr Asn Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 109

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-17

<400> 109

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
			20					25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Ala Arg Ile Asp Tyr Glu Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 110

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-18

<400> 110

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Ser Tyr Asp Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 111

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-19

<400> 111

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ile Asp Tyr Glu Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser
 115

<210> 112

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-20

<400> 112

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
			20					25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50						55					60			

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Ala Arg Val Asp Tyr Gln Glu Ala Phe Asp Ile Trp Gly Gln Gly Thr

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 113

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-22

<400> 113

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Asp Tyr Asn Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 114

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-23

<400> 114

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Asp Tyr Asn Glu Ala Phe Asp Ile Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser
 115

<210> 115

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-42

<400> 115

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
			20					25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Ala Arg Asp Asp Tyr Glu Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 116

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-3

<400> 116

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Ser Tyr Ala Glu Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 117

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de ADT1-7-61

<400> 117

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Asp Tyr Asp Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 118

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7

<400> 118

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Ala	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Gly
			20					25					30		

Thr	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Val	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe
	50						55					60			

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65					70					75					80

Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Leu Leu Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys

100

105

<210> 119

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-10

<400> 119

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly

1

5

10

15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr

20

25

30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Ala Ser Thr Leu Leu
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 120

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-15

<400> 120

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ala Asp Thr Leu Leu
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 121

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-17

<400> 121

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Gly Ser Glu Leu Leu
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 122

<211> 107

<212> PRT

<213> Homo sapiens

<210> 123
<211> 107
<212> PRT
<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-19

<400> 123

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Ala	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Gly	Thr	Tyr
			20					25					30		

Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Val	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ala Ser Glu Leu Leu
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 124

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-20

<400> 124

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Gly Leu Asp
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 125

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-22

<400> 125

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr

20

25

30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65

70

75

80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ala Ser Glu Leu Leu

85

90

95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys

100

105

<210> 126

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-23

<400> 126

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Gly Leu Asp
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 127

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-42

<400> 127

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Ala	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Gly	Thr	Tyr
			20					25					30		

Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Val	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Ser	Ser	Glu	Leu	Leu
				85					90					95	

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 128

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de ADT1-7-3

<400> 128

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65		70		75		80									
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Gly	Leu	Asp
				85					90					95	
Thr	Phe	Gly	Arg	Gly	Thr	Lys	Val	Glu	Ile	Lys					
				100					105						
<210>		129													
<211>		107													
<212>		PRT													
<213>		Homo sapiens													
<220>															
<223>		Liviano variable de ADT1-7-61													
<400>		129													
Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	
Asp	Arg	Val	Thr	Ile	Ala	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Gly	Thr	Tyr
				20				25					30		
Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
				35			40					45			

Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ala Ser Glu Leu Leu
85 90 95

Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
100 105

<210> 130

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VHCDR1 (parental y todos los clones con maduración
de afinidad)

<400> 130

Gly Phe Thr Phe Ser Asp Tyr Tyr
1 5

<210> 131

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VHCDR2 (parental y todos los clones con maduración de afinidad)

<400> 131

Ile Ser Ser Ser Gly Ser Thr Ile

1 5

<210> 132

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VHCDR3

<400> 132

Val Asp Tyr Ala Asp Ala Phe Asp Ile

1 5

<210> 133

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-10 VHCDR3

<400> 133

Asp Asp Tyr Asn Asp Ala Phe Asp Ile

1

5

<210> 134

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-15 VHCDR3

<400> 134

Asp Asp Tyr Asn Asp Ala Phe Asp Ile

1

5

<210> 135

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-17 VHCDR3

<400> 135

Ile Asp Tyr Glu Asp Ala Phe Asp Ile
1 5

<210> 136

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-18 VHCDR3

<400> 136

Val Ser Tyr Asp Asp Ala Phe Asp Ile
1 5

<210> 137

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-19 VHCDR3

<400> 137

Ile Asp Tyr Glu Asp Ala Phe Asp Ile

1 5

<210> 138

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-20 VHCDR3

<400> 138

Val Asp Tyr Gln Glu Ala Phe Asp Ile

1 5

<210> 139

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-22 VHCDR3

<400> 139

Asp Asp Tyr Asn Asp Ala Phe Asp Ile

1

5

<210> 140

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-23 VHCDR3

<400> 140

Val Asp Tyr Asn Glu Ala Phe Asp Ile

1

5

<210> 141

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-42 VHCDR3

<400> 141

Asp Asp Tyr Glu Asp Ala Phe Asp Ile

1 5

<210> 142

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-3 VHCDR3

<400> 142

Val Ser Tyr Ala Glu Ala Phe Asp Ile

1 5

<210> 143

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-61 VHCDR3

<400> 143

Asp Asp Tyr Asp Asp Ala Phe Asp Ile

1 5

<210> 144

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VLCDR1 (parental y todos los clones con maduración de afinidad)

<400> 144

Gln Ser Ile Gly Thr Tyr

1 5

<210> 145

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VLCDR2 (parental y todos los clones con maduración de afinidad)

<400> 145

Val Ala Ser

1

<210> 146

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 VLCDR3

<400> 146

Gln Gln Ser Tyr Ser Thr Leu Leu Thr

1

5

<210> 147

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-10 VLCDR3

<400> 147

Gln Gln Thr Ala Ser Thr Leu Leu Thr
1 5

<210> 148

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-15 VLCDR3

<400> 148

Gln Gln Ser Ala Asp Thr Leu Leu Thr
1 5

<210> 149

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-17 VLCDR3

<400> 149

Gln Gln Ser Gly Ser Glu Leu Leu Thr

1 5

<210> 150

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-18 VLCDR3

<400> 150

Gln Gln Ser Ala Ser Glu Leu Leu Thr

1 5

<210> 151

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-19 VLCDR3

<400> 151

Gln Gln Ser Ala Ser Glu Leu Leu Thr

1 5

<210> 152

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-20 VLCDR3

<400> 152

Gln Gln Ser Tyr Ser Gly Leu Asp Thr

1 5

<210> 153

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-22 VLCDR3

<400> 153

Gln Gln Ser Ala Ser Glu Leu Leu Thr
1 5

<210> 154

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-23 VLCDR3

<400> 154

Gln Gln Ser Tyr Ser Gly Leu Asp Thr
1 5

<210> 155

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-42 VLCDR3

<400> 155

Gln Gln Ser Ser Ser Glu Leu Leu Thr
1 5

<210> 156

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-3 VLCDR3

<400> 156

Gln Gln Ser Tyr Ser Gly Leu Asp Thr
1 5

<210> 157

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-61 VLCDR3

<400> 157

Gln Gln Ser Ala Ser Glu Leu Leu Thr

1

5

<210> 158

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: HCDR1

<220>

<221> misc_feature

<223> X es cualquier aminoácido

<220>

<221> misc_feature

<222> (9)..(9)

<223> Xaa puede ser cualquier aminoácido natural

<400> 158

Gly Asp Ser Val Ser Ser Lys Ser Xaa Ala

1

5

10

<210> 159
<211> 10
<212> PRT
<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-
4 o
fragmento de fijación al antígeno de este: HCDR1

<220>

<221> misc_feature
<223> X es A o V

<220>

<221> misc_feature
<222> (9)..(9)
<223> Xaa puede ser cualquier aminoácido natural

<400> 159

Gly Asp Ser Val Ser Ser Lys Ser Xaa Ala
1 5 10

<210> 160
<211> 10
<212> PRT
<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: HCDR1

<220>

<221> misc_feature

<223> X es A o V

<220>

<221> misc_feature

<222> (9)..(9)

<223> Xaa puede ser cualquier aminoácido natural

<400> 160

Gly Asp Ser Val Ser Ser Lys Ser Xaa Ala

1 5 10

<210> 161

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa puede ser cualquier aminoácido natural

<220>

<221> misc_feature

<222> (3)..(6)

<223> Xaa puede ser cualquier aminoácido natural

<220>

<221> misc_feature

<222> (8)..(8)

<223> Xaa puede ser cualquier aminoácido natural

<400> 162

Xaa Trp Xaa Xaa Xaa Xaa Asp Xaa

1

5

<210> 163

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<222> (1)..(1)

<223> X es S o T

<220>

<221> misc_feature

<222> (3)..(3)

<223> X es V, A o L

<220>

<221> misc_feature

<222> (4)..(4)

<223> X es G, E o D

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es Y o N

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es V, A o P

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es V, Y o R

<400> 163

Xaa Trp Xaa Xaa Xaa Xaa Asp Xaa

<210> 164

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<222> (1)..(1)

<223> X es S o T

<220>

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<222> (3)..(3)

<223> X es V, A o L

<220>

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<222> (4)..(4)

<223> X es G, E o D

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es Y o N

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es V, A o P

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es V, Y o R

<400> 164

Xaa Trp Xaa Xaa Xaa Xaa Asp Xaa

1

5

<210> 165

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<222> (1)..(1)

<223> X es S o T

<220>

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<222> (3)..(3)

<223> X es V, A o L

<220>

<221> misc_feature

<222> (4)..(4)

<223> X es G o D

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es Y o N

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es V, A o P

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es V, Y o R

<400> 165

Xaa Trp Xaa Xaa Xaa Xaa Asp Xaa

<210> 166

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature

<223> X es cualquier aminoácido

<220>

<221> misc_feature

<222> (3)..(3)

<223> Xaa puede ser cualquier aminoácido natural

<220>

<221> misc_feature

<222> (5)..(9)

<223> Xaa puede ser cualquier aminoácido natural

<400> 166

Gln Gln Xaa Tyr Xaa Xaa Xaa Xaa Xaa Thr

1

5

10

<210> 167

<211> 10
<212> PRT
<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o
fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature
<222> (3)..(3)
<223> X es K, R o G

<220>

<221> misc_feature
<222> (5)..(5)
<223> X es S o K

<220>

<221> misc_feature
<222> (6)..(6)
<223> X es T, Q, A, E o D

<220>

<221> misc_feature
<222> (7)..(7)
<223> X es P, H o D

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es Q, R, K, W, P, E o I

<220>

<221> misc_feature

<222> (9)..(9)

<223> X es I, V o L

<400> 167

Gln Gln Xaa Tyr Xaa Xaa Xaa Xaa Xaa Thr

1

5

10

<210> 168

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature

<222> (3)..(3)

<223> X es K, R o G

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es S o K

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es T, Q, A, E o D

<220>

<221> misc_feature

<222> (7)..(7)

<223> X es P o H

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es Q, R, K, W, P, E o I

<220>

<221> misc_feature

<222> (9)..(9)

<223> X es I, V o L

<400> 168

Gln Gln Xaa Tyr Xaa Xaa Xaa Xaa Xaa Thr

1

5

10

<210> 169

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-4 o

fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature

<222> (3)..(3)

<223> X es K o R

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es S o K

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es T, Q, A, o E

<220>

<221> misc_feature

<222> (7)..(7)

<223> X es P o H

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es Q, K, W, P o I

<220>

<221> misc_feature

<222> (9)..(9)

<223> X es V o L

<400> 169

Gln Gln Xaa Tyr Xaa Xaa Xaa Xaa Xaa Thr

1 5 10

<210> 170

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 HFR1 (parental y clones con maduración de afinidad)

<400> 170

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser

20 25

<210> 171

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-143 HFR1

<400> 171

Glu Val Gln Leu Leu Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1

5

10

15

Thr Leu Ser Leu Thr Cys Ala Ile Ser

20

25

<210> 172

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 HFR2 (parental y todos los clones con maduración
de afinidad)

<400> 172

Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly

1 5 10 15

Arg

<210> 173

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 HFR3 (parental y todos los clones con maduración de afinidad)

<400> 173

Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr
1 5 10 15

Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp
20 25 30

Thr Ala Val Tyr Tyr Cys Ala Arg
35 40

<210> 174

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 HFR4 (parental y todos los clones con maduración de afinidad)

<400> 174

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

1 5 10

<210> 175

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 LFR1 (parental y todos los clones con maduración de afinidad)

<400> 175

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
20 25

<210> 176

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 LFR2 (parental y todos los clones con maduración de afinidad)

<400> 176

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
1 5 10 15

Tyr

<210> 177

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 LFR3 (clones con maduración de afinidad)

<400> 177

Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly Ser Gly Ser Gly
1 5 10 15

Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala
20 25 30

Thr Tyr Tyr Cys
35

<210> 178

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<223> Clones parentales de ADT1-4 y ADT1-4-138 LFR3

<400> 178

Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
1 5 10 15

Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala

20

25

30

Thr Tyr Tyr Cys

35

<210> 179

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 LFR4 (parental y clones con maduración de afinidad)

<400> 179

Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

1

5

10

<210> 180

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-110 LFR4

<400> 180

Phe Gly Ala Gly Thr Arg Leu Glu Ile Lys

1 5 10

<210> 181

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-143 LFR4

<400> 181

Phe Gly Gln Gly Thr Arg Leu Val Ile Lys

1 5 10

<210> 182

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-95 LFR4

<400> 182

Phe Gly Ser Gly Thr Arg Leu Glu Ile Lys
1 5 10

<210> 183

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-7 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<223> X es cualquier aminoácido

<220>

<221> misc_feature

<222> (1)..(2)

<223> Xaa puede ser cualquier aminoácido natural

<220>

<221> misc_feature

<222> (4)..(5)

<223> Xaa puede ser cualquier aminoácido natural

<400> 183

Xaa Xaa Tyr Xaa Xaa Ala Phe Asp Ile

1

5

<210> 184

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-7 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<222> (1)..(1)

<223> X es D, I o V

<220>

<221> misc_feature

<222> (2)..(2)

<223> X es D o S

<220>

<221> misc_feature

<222> (4)..(4)

<223> X es N, E, D, Q o A

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es D o E

<400> 184

Xaa Xaa Tyr Xaa Xaa Ala Phe Asp Ile

1 5

<210> 185

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-7 o

fragmento de fijación al antígeno de este: HCDR3

<220>

<221> misc_feature

<222> (1)..(1)

<223> X es D o V

<220>

<221> misc_feature

<222> (2)..(2)

<223> X es D o S

<220>

<221> misc_feature
<222> (4)..(4)
<223> X es D, Q o A

<220>
<221> misc_feature
<222> (5)..(5)
<223> X es D o E

<400> 185

Xaa Xaa Tyr Xaa Xaa Ala Phe Asp Ile
1 5

<210> 186
<211> 9
<212> PRT
<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-
7 o
fragmento de fijación al antígeno de este: LCDR3

<220>
<221> misc_feature
<223> X es cualquier aminoácido

<220>
<221> misc_feature

<222> (3)..(6)

<223> Xaa puede ser cualquier aminoácido natural

<220>

<221> misc_feature

<222> (8)..(8)

<223> Xaa puede ser cualquier aminoácido natural

<400> 186

Gln Gln Xaa Xaa Xaa Xaa Leu Xaa Thr

1

5

<210> 187

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-7 o

fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature

<222> (3)..(3)

<223> X es T o S

<220>

<221> misc_feature

<222> (4)..(4)

<223> X es A, G, Y o S

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es S o D

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es T, E o G

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es L o D

<400> 187

Gln Gln Xaa Xaa Xaa Xaa Leu Xaa Thr

1

5

<210> 188

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Anticuerpo anti-variable delta 1 de TCR derivado de ADT1-7 o

fragmento de fijación al antígeno de este: LCDR3

<220>

<221> misc_feature

<222> (3)..(3)

<223> X es S

<220>

<221> misc_feature

<222> (4)..(4)

<223> X es A o Y

<220>

<221> misc_feature

<222> (5)..(5)

<223> X es S

<220>

<221> misc_feature

<222> (6)..(6)

<223> X es E o G

<220>

<221> misc_feature

<222> (8)..(8)

<223> X es L o D

<400> 188

Gln Gln Xaa Xaa Xaa Xaa Leu Xaa Thr

1

5

<210> 189

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 HFR1 (parental y todos los clones con maduración de afinidad)

<400> 189

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser
			20					25

<210> 190

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 HFR2 (parental y todos los clones con maduración de afinidad)

<400> 190

Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10 15

Tyr

<210> 191

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 HFR3 (parental y todos los clones con maduración
de afinidad)

<400> 191

Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
1 5 10 15

Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
20 25 30

Thr Ala Val Tyr Tyr Cys Ala Arg

<210> 192

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 HFR4 (parental y todos los clones con maduración de afinidad)

<400> 192

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

1

5

10

<210> 193

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 LFR1 (parental y clones con maduración de afinidad)

<400> 193

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Gly
20 25

<210> 194

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7-18 LFR1

<400> 194

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Val Gly
20 25

<210> 195

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 LFR2 (parental y todos los clones con maduración de afinidad)

<400> 195

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
1 5 10 15

Tyr

<210> 196

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-7 LFR3 (parental y todos los clones con maduración de afinidad)

<400> 196

Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
1 5 10 15

Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala
20 25 30

Thr Tyr Tyr Cys
35

<210> 197
<211> 10
<212> PRT
<213> Homo sapiens

<220>

<223> ADT1-7 LFR4 (parental y todos los clones con maduración de afinidad)

<400> 197

Phe Gly Arg Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 198
<211> 360
<212> ADN
<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4

<400> 198

caggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcctcat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtgga gtggttatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 199

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-105

<400> 199

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 200

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-107

<400> 200

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 201

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-110

<400> 201

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcga tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctctc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tggagtatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 202

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-112

<400> 202

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggactactgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 203

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-117

<400> 203

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 204

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-19

<400> 204

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggacagggtg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 205

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-21

<400> 205

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ttgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccgactatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 206

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-31

<400> 206

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 207

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-139

<400> 207

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggactactgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 208

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-4

<400> 208

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 209

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-143

<400> 209

gaggtacagc tgctgcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttggaa
ctggatcagg 120

cagtcctccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcaagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 210

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-53

<400> 210

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ttgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccgactatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 211

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-173

<400> 211

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcctcat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccggttatcc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 212

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-2

<400> 212

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgt ggacaggctg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 213

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-8

<400> 213

gaggtacagc tgcagcagtc aggtccagga ctggtgaagc cctcgcagac
cctctcactc 60

acctgtgcc a tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

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<400> 214

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ctggatcagg 120

cagtccccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaagctggg tgggttatgt ggacgtctgg ggccaaggaa ccctggtcac
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<210> 215

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<212> ADN

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<223> ADN pesado variable de ADT1-4-83

<400> 215

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ctggatcagg 120

cagtccecat cgagaggcct tgagtggctg ggaaggacat actacaggc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
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cgtctcgagc 360

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<223> ADN pesado variable de ADT1-4-3

<400> 216
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ctggatcagg 120

cagtcctccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccgactatgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 217
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<212> ADN
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<220>

<223> ADN pesado variable de ADT1-4-84

<400> 217

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcgccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 218

<211> 360

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-4-86

<400> 218

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ttgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggc tgggtaacgt ggacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 219

<211> 360

<212> ADN

<213> Homo sapiens

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<223> ADN pesado variable de ADT1-4-95

<400> 219

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
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<400> 220

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtcccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtggctc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg tgggttatgc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 221

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<223> ADN pesado variable de ADT1-4-6

<400> 221

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttgga
ctggatcagg 120

cagtccccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtc 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccggttatcc cgacgtctgg ggccaaggaa ccctggtcac
cgtctcgagc 360

<210> 222

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<223> ADN pesado variable de ADT1-4-138

<400> 222

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acctgtgcca tctccgggga cagtgtctcc agcaaaagtg ctgcttggaa
ctggatcagg 120

cagtcctccat cgagaggcct tgagtggctg ggaaggacat actacaggtc
caagtgggtct 180

actgattatg cagcatctgt gaaaagtcga ataaccatca acccagacac
atccaagaac 240

cagctctccc tgcagttaaa ctctgtgact cccgaggaca cggctgtgta
ttactgtgca 300

agaacgtggg ccgactatgt ggacgtctgg ggccaaggaa ccctggtcac
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<223> ADN liviano variable de ADT1-4

<400> 223

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gtcaccatca cttgccgggc cagtcaagat attaatgact ggttggcctg
gtatcagcat 120

aaacctggga aagcccctaa gctcctgatc tatgatgcct ccagtttgga
aagtggggtc 180

ccatcaaggt tcagcggcag tggatctggg acagaattca ctctcaccat
cagcagcctg 240

cagcctgatg attttgcaac ttactactgt caacagagtt acagtacccc
tcaggtcact 300

tttggccagg ggacacgact ggagatcaaa
330

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<223> ADN liviano variable de ADT1-4-105

<400> 224

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccata 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta cccctcagat
cacttttggc 300

caggggacac gactggagat caaa
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<223> ADN liviano variable de ADT1-4-107

<400> 225

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gttcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta cccctcagat
cacttttggc 300

caggggacac gactggagat caaa
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<223> ADN liviano variable de ADT1-4-110

<400> 226

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gttcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta cccctcaggt
cacttttggc 300

gccgggacac gactggagat caaa
324

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<223> ADN liviano variable de ADT1-4-112

<400> 227

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccat 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtc agcctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 228

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<223> ADN liviano variable de ADT1-4-117

<400> 228

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgatTTTTG caacttacta ctgtcaacag cgctacagta cccctcgcgt
cacttttggc 300

caggggacac gactggagat caaa
324

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<223> ADN liviano variable de ADT1-4-19

<400> 229

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atcacttgcc gggccagtc agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccata 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta cccctaaggt
cacttttggc 300

caggggacac gactggagat caaa
324

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<223> ADN liviano variable de ADT1-4-21

<400> 230

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atcacttgcc gggccagtca agatattaat gactgggttg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccat 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta ccccttgggt
cacttttggc 300

caggggacac gactggagat caaa
324

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<211> 324

<212> ADN

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<223> ADN liviano variable de ADT1-4-31

<400> 231

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atcacttgcc gggccagtca agatattaat gactgggttg cctgggatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta cccctcccgt
cacttttggc 300

caggggacac gactggagat caaa
324

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<223> ADN liviano variable de ADT1-4-139

<400> 232

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atcacttgcc gggccagtca agatattaat gactgggttg cctgggatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag ggctacagta cccctcagct
gacttttggc 300

caggggacac gactggagat caaa
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<400> 233

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta ccccttgggt
cacttttggc 300

caggggacac gactggagat caaa
324

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<220>

<223> ADN liviano variable de ADT1-4-143

<400> 234

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagtcct gatctatgat gcctccagtt tggaaagtgg
gtcccat 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta cccaccagg
cacttttggc 300

caggggacac gactggtgat caaa
324

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<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-53

<400> 235

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atcacttgcc gggccagtc agatattaat gactgggttg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta cccctcagct
gacttttggc 300

caggggacac gactggagat caaa
324

<210> 236

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-173

<400> 236

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atcacttgcc gggccagtca agatattaat gactgggttg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtccccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg cccctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 237

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-2

<400> 237

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccata 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg cccctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 238

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-8

<400> 238

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gttcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg cccctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 239

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-82

<400> 239

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gttcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta cccctcagat
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 240

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-83

<400> 240

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccat 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg agcctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 241

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<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-3

<400> 241

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gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgatTTTTG caacttacta ctgtcaacag aagtacagta cccctgaggt
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324

<210> 242

<211> 324

<212> ADN

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<220>

<223> ADN liviano variable de ADT1-4-84

<400> 242

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atcacttgcc gggccagtc agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccata 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg accctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 243

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-86

<400> 243

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atcacttgcc gggccagtca agatattaat gactggttgg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccat 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagtg agcctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 244

<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-95

<400> 244

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cagagtcacc 60

atcacttgcc gggccagtca agatattaat gactgggttg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtcccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacagta cccctcaggt
cacttttggc 300

agcgggacac gactggagat caaa
324

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<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-1

<400> 245

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cagagtcacc 60

atcacttgcc gggccagtca agatattaat gactgggttg cctggatatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta cccctatcgt
cacttttggc 300

caggggacac gactggagat caaa
324

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<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-6

<400> 246

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
ggtccatta 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag aagtacaaga cccctcaggt
cacttttggc 300

caggggacac gactggagat caaa
324

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<211> 324

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-4-138

<400> 247

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atcacttgcc gggccagtca agatattaat gactggttgg cctggtatca
gcataaacct 120

gggaaagccc ctaagctcct gatctatgat gcctccagtt tggaaagtgg
gtcccatca 180

aggttcagcg gcagtggatc tgggacagaa ttcactctca ccatcagcag
cctgcagcct 240

gatgattttg caacttacta ctgtcaacag cgctacagta ccgaccaggt
cacttttggc 300

caggggacac gactggagat caaa
324

<210> 248

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7

<400> 248

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatat attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggtggac 300

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354

<210> 249

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-10

<400> 249

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggacgac 300

tacaacgatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagc
354

<210> 250

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-15

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatac acagcctgag agccgaggac acggctgtgt attactgtgc
aagggacgac 300

tacaacgatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagg
354

<210> 251

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-17

<400> 251

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtag
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatac acagcctgag agccgaggac acggctgtgt attactgtgc
aagatcgcac 300

tacgaggatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagc
354

<210> 252

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-18

<400> 252

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtag
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggtgagc 300

tacgacgatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagc
354

<210> 253

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-19

<400> 253

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtag
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aaggatcgac 300

tacgaggatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagg
354

<210> 254

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-20

<400> 254

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tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtag
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ttcactgtat 240

ctgcaaatac acagcctgag agccgaggac acggctgtgt attactgtgc
aagggtggac 300

taccaggagg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagg
354

<210> 255

<211> 354

<212> ADN

<213> Homo sapiens

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<223> ADN pesado variable de ADT1-7-22

<400> 255

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tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggacgac 300

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354

<210> 256

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<212> ADN

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<220>

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<400> 256

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ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggtggac 300

tacaacgagg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagc
354

<210> 257

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-42

<400> 257

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tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatac acagcctgag agccgaggac acggctgtgt attactgtgc
aagggacgac 300

tacgaggatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagg
354

<210> 258

<211> 354

<212> ADN

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<220>

<223> ADN pesado variable de ADT1-7-3

<400> 258

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc
aagggtgagc 300

tacgctgagg catttgatat ctggggccag ggcaccctgg tcaccgtctc gaggc
354

<210> 259

<211> 354

<212> ADN

<213> Homo sapiens

<220>

<223> ADN pesado variable de ADT1-7-61

<400> 259

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cctgagactc 60

tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat
ccgccaggct 120

ccaggggaagg ggctggagtg ggtttcatac attagtagta gtggtagtagtac
catatactac 180

gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa
ctcactgtat 240

ctgcaaata acagcctgag agccgaggac acggctgtgt attactgtgc
aaggacgac 300

tacgacgatg catttgatat ctggggccag ggcaccctgg tcaccgtctc gagc
354

<210> 260

<211> 327

<212> ADN

<213> Homo sapiens

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<223> ADN liviano variable de ADT1-7

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gtcaccatcg cttgccgggc aggtcagagc attggcacct atttaaattg
gtatcagcag 120

aaaccaggga aagcccctaa actcctgatc tatgttgcac ccagtttgca
aagtggggtc 180

ccgtcacggt tcagtggcag tggatctggg acagaattca ctctcaccat
cagcagtctg 240

caacctgaag attttgcaac ttactactgt caacagagtt acagtaccct
cctcactttc 300

ggcagaggga ccaaggtgga aatcaaa
327

<210> 261

<211> 321

<212> ADN

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<220>

<223> ADN liviano variable de ADT1-7-10

<400> 261

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atcgcttgcc gggcaggtca gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
ggtcccgtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag accgccagta ccctcctcac
tttcggcaga 300

gggaccaagg tggaatcaa a
321

<210> 262

<211> 321

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-7-15

<400> 262

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atcgcttgcc gggcaggtca gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
gtcccgctca 180

cggttcagtg gcagtggatc tgggacagaa ttcaactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agtgccgaca ccctcctcac
tttcggcaga 300

gggaccaagg tggaatcaa a
321

<210> 263

<211> 321

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<220>

<223> ADN liviano variable de ADT1-7-17

<400> 263

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atcgcttgcc gggcaggta gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
ggtcccgtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agtggcagtg agctcctcac
tttcggcaga 300

gggaccaagg tggaatcaa a
321

<210> 264

<211> 321

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-7-18

<400> 264

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atcgcttgcc gggtaggtca gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatggt gcatccagtt tgcaaagtgg
gtcccggtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

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tttcggcaga 300

gggaccaagg tggaatcaa a
321

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<223> ADN liviano variable de ADT1-7-19

<400> 265

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gcagaaacca 120

gggaaagccc ctaaactcct gatctatggt gcatccagtt tgcaaagtgg
gtcccggtca 180

cggttcagtgc gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agtgccagtgc agctcctcac
tttcggcaga 300

gggaccaagg tggaatatcaa a
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gcagaaacca 120

gggaaagccc ctaaactcct gatctatggt gcattccagtt tgcaaagtgg
ggtcccgtca 180

cggttcagtgc gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agttacagtgc gcctcgacac
tttcggcaga 300

gggaccaagg tggaaatcaa a
321

<210> 267

<211> 321

<212> ADN

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atcgcttgcc gggcaggcca gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
ggtcccgtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agtgccagtg agtcctcac
tttcggcaga 300

gggaccaagg tggaaatcaa a
321

<210> 268

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gcagaaacca 120

gggaaagccc ctaaactcct gatctatggt gcatccagtt tgcaaagtgg
gtccccgtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agttacagtg gcctcgacac
tttcggcaga 300

gggaccaagg tggaatcaa a
321

<210> 269

<211> 321

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-7-42

<400> 269

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gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
gtcccgta 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
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tttcggcaga 300

gggaccaagg tggaatcaa a
321

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<211> 321

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<223> ADN liviano variable de ADT1-7-3

<400> 270

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atcgcttgcc gggcaggta gagcattggc acctatttaa attggtatca
gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
gtcccgta 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agttacagtg gcctcgacac
tttcggcaga 300

gggaccaagg tggaatcaa a
321

<210> 271

<211> 321

<212> ADN

<213> Homo sapiens

<220>

<223> ADN liviano variable de ADT1-7-61

<400> 271

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gcagaaacca 120

gggaaagccc ctaaactcct gatctatgtt gcatccagtt tgcaaagtgg
ggtcccgtca 180

cggttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag
tctgcaacct 240

gaagattttg caacttacta ctgtcaacag agtgccagtg agctcctcac
tttcggcaga 300

gggaccaagg tggaaatcaa a
321

<210> 272

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable delta 1 (V delta 1) humana de un receptor
de linfocitos T(TCR) gamma delta

- alias TRDV1

<400> 272

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1				5				10						15	

Lys Ala Val Thr Leu Asn Cys Leu Tyr Glu Thr Ser Trp Trp Ser Tyr

20

25

30

Tyr Ile Phe Trp Tyr Lys Gln Leu Pro Ser Lys Glu Met Ile Phe Leu

35

40

45

Ile Arg Gln Gly Ser Asp Glu Gln Asn Ala Lys Ser Gly Arg Tyr Ser

50

55

60

Val Asn Phe Lys Lys Ala Ala Lys Ser Val Ala Leu Thr Ile Ser Ala

65

70

75

80

Leu Gln Leu Glu Asp Ser Ala Lys Tyr Phe Cys Ala Leu Gly Glu Ser

85

90

95

Leu Thr Arg Ala Asp Lys Leu Ile Phe Gly Lys Gly Thr Arg Val Thr

100

105

110

Val Glu Pro Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg

115

120

125

Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp

130

135

140

Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr

145

150

155

160

Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser
165 170 175

Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe
180 185 190

Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser
195 200 205

Ser

<210> 273

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de C08

<400> 273

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Ser Pro Ile Glu Leu Gly Ala Phe Asp Ile Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 274

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de B07

<400> 274

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1			5					10					15		

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
		20						25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
	35					40						45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55						60			

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	

Ala	Arg	Glu	Asn	Tyr	Leu	Asn	Ala	Phe	Asp	Ile	Trp	Gly	Arg	Gly	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 275

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de C05

<400> 275

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr

20

25

30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Ala Ile Ser Gly Gly Gly Gly Thr Thr Tyr Ser Ser Asp Ser Val

50

55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Gly Val Ala Phe Asp Ile Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 276

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de E04

<400> 276

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala
50 55 60

Val Ser Val Arg Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Ser Trp Asn Asp Ala Phe Asp Ile Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 277

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de F07

<400> 277

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Val	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Asn
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40						45		

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Tyr	Asn	Asp	Tyr	Ala
	50						55					60			

Val	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75					80

Gln	Phe	Ser	Leu	Gln	Leu	Asn	Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val
				85						90				95	

Tyr	Tyr	Cys	Ala	Arg	Asp	Tyr	Tyr	Tyr	Ser	Met	Asp	Val	Trp	Gly	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100

105

110

Gly Thr Met Val Thr Val Ser Ser

115

120

<210> 278

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de G06

<400> 278

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val

50

55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg His Ser Trp Asn Asp Ala Phe Asp Val Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 279

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de G09

<400> 279

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Gly Ser Lys Trp Tyr Asn Glu Tyr Ala
50 55 60

Leu Ser Val Lys Ser Arg Ile Ile Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Asp Tyr Tyr Tyr Ser Met Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 280

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de B09

<400> 280

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1			5					10					15		

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr
		20						25					30		

Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
	35					40						45			

Ser	Tyr	Ile	Ser	Ser	Ser	Gly	Ser	Thr	Ile	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55						60			

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala	Arg	His	Ser	Trp	Ser	Asp	Ala	Phe	Asp	Ile	Trp	Gly	Gln	Gly	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 281

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Pesado variable de G10

<400> 281

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val

50

55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg His Ser Trp Asn Asp Ala Phe Asp Ile Trp Gly Arg Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 282

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de C08

<400> 282

Ala Ser Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro
1 5 10 15

Gly Lys Thr Ala Arg Ile Thr Cys Gly Gly Asn Asn Ile Gly Ser Gln
20 25 30

Ser Val His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Met Leu Val
35 40 45

Ile Tyr Tyr Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser
50 55 60

Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu
65 70 75 80

Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Ser Ser
85 90 95

Asp His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 283

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de B07

<400> 283

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Thr	Ser	Gln	Ser	Leu	Ser
			20					25					30		

Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Ala	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe
	50					55					60				

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65					70					75					80

Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr
				85					90					95	

Pro	Leu	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Glu	Ile	Lys
				100				105				

<210> 284

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de C05

<400> 284

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Phe	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asn	Ile	Arg
			20					25					30		

Thr	Trp	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Arg	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Ser	Arg	Phe
	50						55				60				

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65					70					75					80

Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Phe	Lys	Arg	Tyr
					85				90					95	

Pro Pro Thr Phe Gly Leu Gly Thr Lys Val Glu Ile Lys
100 105

<210> 285

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de E04

<400> 285

Ala Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser
1 5 10 15

Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Gly Gln Ser Ile Ser
20 25 30

Thr Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 286

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de F07

<400> 286

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser
20 25 30

Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser His Ser His
85 90 95

Pro Pro Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 287

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de G06

<400> 287

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser

1	5	10	15
Val Gly Asp Arg Val Ser Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser			
	20	25	30
Ser Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu			
	35	40	45
Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe			
	50	55	60
Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu			
65	70	75	80
Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr			
	85	90	95
Pro Asp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys			
	100	105	

<210> 288

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de G09

<400> 288

Ala	Ser	Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Ser	Thr	Leu	Ser	Ala	Ser
1				5					10					15	

Ile	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Ser
			20					25					30		

Thr	Trp	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val	Pro	Leu	Arg	Phe
	50					55					60				

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Ala	Ile	Ser	Ser	Leu
65					70					75					80

Gln	Pro	Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr
				85					90					95	

Pro	Val	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys
				100				105				

<210> 289

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de B09

<400> 289

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Gln	Ala	Ser	Gln	Asp	Ile	Ser
			20					25					30		

Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
		35					40					45			

Leu	Ile	Tyr	Asp	Ala	Ser	Asn	Leu	Glu	Thr	Gly	Val	Pro	Ser	Arg	Phe
	50						55				60				

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65					70					75					80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 290

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de G10

<400> 290

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser
20 25 30

Ser His Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe

50

55

60

Ser Ala Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu

65

70

75

80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr

85

90

95

Leu Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys

100

105

<210> 291

<211> 13

<212> PRT

<213> secuencia artificial

<220>

<223> Ligador VH-VL

<400> 291

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly

1

5

10

<210> 292

<211> 12

<212> PRT

<213> secuencia artificial

<220>

<223> Secuencia de etiqueta scFv opcional (secuencia kappa + etiqueta His)

<400> 292

Arg Thr Ala Ala Ala Ser Ala His His His His His

1 5 10

<210> 293

<211> 37

<212> PRT

<213> secuencia artificial

<220>

<223> Secuencia de etiqueta scFv opcional (secuencia kappa + etiquetas His y FLAG)

<400> 293

Arg Thr Ala Ala Ala Ser Ala His His His His His His Lys Leu Asp

1 5 10 15

Tyr Lys Asp His Asp Gly Asp Tyr Lys Asp His Asp Ile Asp Tyr Lys

20 25 30

Asp Asp Asp Asp Lys

35

<210> 294

<211> 13

<212> PRT

<213> secuencia artificial

<220>

<223> Secuencia de etiqueta scFv opcional (secuencia lambda + etiqueta His)

<400> 294

Gly Gln Pro Ala Ala Ala Ser Ala His His His His His

1 5 10

<210> 295

<211> 38

<212> PRT

<213> secuencia artificial

<220>

<223> Secuencia de etiqueta scFv opcional (secuencia lambda + etiquetas His y FLAG)

<400> 295

Gly Gln Pro Ala Ala Ala Ser Ala His His His His His His Lys Leu

1 5 10 15

Asp Tyr Lys Asp His Asp Gly Asp Tyr Lys Asp His Asp Ile Asp Tyr

20 25 30

Lys Asp Asp Asp Asp Lys

35

<210> 296

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Dominio constante (cadena constante liviana completa de
AD3 y AD4 con

secuencia RTVAAPS en lugar de RTAAAPS)

<400> 296

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu

1

5

10

15

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe

20

25

30

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln

35

40

45

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser

50

55

60

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
85 90 95

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 297

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<223> Dominio constante (cadena de dominio constante pesada completa de AD3)

<400> 297

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr

20

25

30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser

35

40

45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser

50

55

60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr

65

70

75

80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys

85

90

95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys

100

105

110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro

115

120

125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys

130

135

140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp

145

150

155

160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325 330

<210> 298

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<223> Dominio constante (cadena de dominio constante pesada
 completa de AD4 empleada

(con modificación L235A, G237A))

<400> 298

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
 1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 299

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<223> Secuencia líder del terminal N de la cadena V delta 1

<400> 299

Met Leu Phe Ser Ser Leu Leu Cys Val Phe Val Ala Phe Ser Tyr Ser
1 5 10 15

Gly Ser Ser Val
20

<210> 300

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<223> Región V de la cadena V delta 1

<400> 300

Ala	Gln	Lys	Val	Thr	Gln	Ala	Gln	Ser	Ser	Val	Ser	Met	Pro	Val	Arg
1				5					10					15	

Lys	Ala	Val	Thr	Leu	Asn	Cys	Leu	Tyr	Glu	Thr	Ser	Trp	Trp	Ser	Tyr
			20					25					30		

Tyr	Ile	Phe	Trp	Tyr	Lys	Gln	Leu	Pro	Ser	Lys	Glu	Met	Ile	Phe	Leu
		35					40					45			

Ile	Arg	Gln	Gly	Ser	Asp	Glu	Gln	Asn	Ala	Lys	Ser	Gly	Arg	Tyr	Ser
	50						55					60			

Val	Asn	Phe	Lys	Lys	Ala	Ala	Lys	Ser	Val	Ala	Leu	Thr	Ile	Ser	Ala
65					70					75					80

Leu	Gln	Leu	Glu	Asp	Ser	Ala	Lys	Tyr	Phe	Cys	Ala	Leu	Gly	Glu	
				85					90					95	

<210> 301
<211> 16
<212> PRT
<213> Homo sapiens

<220>

<223> J1*0 - una de las cuatro regiones J codificadas en la
línea
línea germinal de la cadena

<400> 301

Thr	Asp	Lys	Leu	Ile	Phe	Gly	Lys	Gly	Thr	Arg	Val	Thr	Val	Glu	Pro
1				5					10					15	

<210> 302
<211> 17
<212> PRT
<213> Homo sapiens

<220>

<223> J2*0 - una de las cuatro regiones J codificadas en la
línea
línea germinal de la cadena

<400> 302

Leu Thr Ala Gln Leu Phe Phe Gly Lys Gly Thr Gln Leu Ile Val Glu
1 5 10 15

Pro

<210> 303

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<223> J3*0 - una de las cuatro regiones J codificadas en la
línea

línea germinal de la cadena

<400> 303

Ser Trp Asp Thr Arg Gln Met Phe Phe Gly Thr Gly Ile Lys Leu Phe
1 5 10 15

Val Glu Pro

<210> 304

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> J4*0 - una de las cuatro regiones J codificadas en la
línea

línea germinal de la cadena

<400> 304

Arg Pro Leu Ile Phe Gly Lys Gly Thr Tyr Leu Glu Val Gln Gln

1

5

10

15

<210> 305

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<223> C1*0 que contiene las regiones
yuxtamembrana/transmembrana

regiones

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa puede ser cualquier aminoácido natural

<400> 305

Xaa Ser Gln Pro His Thr Lys Pro Ser Val Phe Val Met Lys Asn Gly
1 5 10 15

Thr Asn Val Ala Cys Leu Val Lys Glu Phe Tyr Pro Lys Asp Ile Arg
20 25 30

Ile Asn Leu Val Ser Ser Lys Lys Ile Thr Glu Phe Asp Pro Ala Ile
35 40 45

Val Ile Ser Pro Ser Gly Lys Tyr Asn Ala Val Lys Leu Gly Lys Tyr
50 55 60

Glu Ser Asn Ser Val Thr Cys Ser Val Gln His Asp Asn Lys Thr Val
65 70 75 80

His Ser Thr Asp Phe Glu Val Lys Thr Asp Ser Thr Asp His Val Lys
85 90 95

Pro Lys Glu Thr Glu Asn Thr Lys Gln Pro Ser Lys Ser Cys His Lys
100 105 110

Pro Lys Ala Ile Val His Thr Glu Lys Val Asn Met Met Ser Leu Thr
115 120 125

Val Leu Gly Leu Arg Met Leu Phe Ala Lys Thr Val Ala Val Asn Phe
130 135 140

Leu Leu Thr Ala Lys Leu Phe Phe Leu
145 150

<210> 306

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable delta 1 (V delta 1) humana de una
variante polimórfica del receptor de linfocitos T (TCR) gamma
delta

- alias variante polimórfica TRDV1
humana

<400> 306

Ala Gln Lys Val Thr Gln Ala Gln Ser Ser Val Ser Met Pro Val Arg
1 5 10 15

Lys Ala Val Thr Leu Asn Cys Leu Tyr Glu Thr Ser Trp Trp Ser Tyr
20 25 30

Tyr Ile Phe Trp Tyr Lys Gln Leu Pro Ser Lys Glu Met Ile Phe Leu
35 40 45

Ile Arg Gln Gly Ser Asp Glu Gln Asn Ala Lys Ser Gly Arg Tyr Ser
50 55 60

Val Asn Phe Lys Lys Ala Val Lys Ser Val Ala Leu Thr Ile Ser Ala
65 70 75 80

Leu Gln Leu Glu Asp Ser Ala Lys Tyr Phe Cys Ala Leu Gly Glu Ser
85 90 95

Leu Thr Arg Ala Asp Lys Leu Ile Phe Gly Lys Gly Thr Arg Val Thr
100 105 110

Val Glu Pro Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg
115 120 125

Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp
130 135 140

Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr
145 150 155 160

Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser

165

170

175

Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe

180

185

190

Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser

195

200

205

Ser Cys Thr Thr Ala Pro Ser Ala Gln Leu Lys Lys Lys Leu Gln Ala

210

215

220

Leu Lys Lys Lys Asn Ala Gln Leu Lys Trp Lys Leu Gln Ala Leu Lys

225

230

235

240

Lys Lys Leu Ala Gln Gly Ser Gly His His His His His His

245

250

<210> 307

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> Dominio constante (cadena constante liviana completa de AD3 y AD4 con

secuencia RTAAAPS)

<400> 307

Arg	Thr	Ala	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu
1				5					10					15	

Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe
			20					25					30		

Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln
		35					40					45			

Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser
	50					55					60				

Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu
65					70					75					80

Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser
				85					90					95	

Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys
			100					105		

<210> 308

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable delta 1 (V delta 1) cino de un receptor de linfocitos T(TCR) gamma delta

- alias TRDV1 cino (menos líder)

<400> 308

Ala	Gln	Lys	Val	Thr	Gln	Ala	Gln	Ser	Ser	Val	Ser	Met	Pro	Val	Glu
1				5				10					15		

Lys	Ala	Val	Thr	Leu	Asn	Cys	Gln	Tyr	Glu	Thr	Ser	Ser	Trp	Ser	Tyr
			20				25						30		

Asp	Leu	Phe	Trp	Tyr	Lys	Gln	Leu	Pro	Gly	Lys	Glu	Met	Ile	Phe	Leu
		35				40					45				

Ile	His	Gln	Gly	Ser	Ser	Gln	Gln	Asn	Ala	Arg	Asn	Gly	Arg	Tyr	Ser
	50					55					60				

Val	Asn	Phe	Gln	Lys	Ala	Ala	Ser	Ser	Ile	Thr	Leu	Thr	Ile	Ser	Ala
65					70					75				80	

Leu Gln Leu Glu Asp Ser Ala Thr Tyr Phe Cys Ala

85

90

<210> 309

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable gamma 4 (V gamma 4) humana de un receptor de linfocitos T (TCR) gamma delta

- alias TRGV4 humana (menos líder)

<400> 309

Lys Ser Ser Asn Leu Glu Gly Arg Thr Lys Ser Val Ile Arg Gln Thr

1

5

10

15

Gly Ser Ser Ala Glu Ile Thr Cys Asp Leu Ala Glu Gly Ser Thr Gly

20

25

30

Tyr Ile His Trp Tyr Leu His Gln Glu Gly Lys Ala Pro Gln Arg Leu

35

40

45

Leu Tyr Tyr Asp Ser Tyr Thr Ser Ser Val Val Leu Glu Ser Gly Ile

50

55

60

Ser Pro Gly Lys Tyr Asp Thr Tyr Gly Ser Thr Arg Lys Asn Leu Arg
65 70 75 80

Met Ile Leu Arg Asn Leu Ile Glu Asn Asp Ser Gly Val Tyr Tyr Cys
85 90 95

Ala Thr Trp Asp Gly
100

<210> 310

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable delta 2 (V delta 2) humana de un receptor
de linfocitos T(TCR) gamma delta

- alias TRDV2 (menos líder)

<400> 310

Ala Ile Glu Leu Val Pro Glu His Gln Thr Val Pro Val Ser Ile Gly
1 5 10 15

Val Pro Ala Thr Leu Arg Cys Ser Met Lys Gly Glu Ala Ile Gly Asn
20 25 30

Tyr Tyr Ile Asn Trp Tyr Arg Lys Thr Gln Gly Asn Thr Met Thr Phe
35 40 45

Ile Tyr Arg Glu Lys Asp Ile Tyr Gly Pro Gly Phe Lys Asp Asn Phe
50 55 60

Gln Gly Asp Ile Asp Ile Ala Lys Asn Leu Ala Val Leu Lys Ile Leu
65 70 75 80

Ala Pro Ser Glu Arg Asp Glu Gly Ser Tyr Tyr Cys Ala Cys Asp Thr
85 90 95

<210> 311

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<223> Cadena variable delta 3 (V delta 3) humana de un receptor
de linfocitos T(TCR) gamma delta

- alias TRDV3 (menos líder)

<400> 311

Asp Lys Val Thr Gln Ser Ser Pro Asp Gln Thr Val Ala Ser Gly Ser

1

5

10

15

Glu Val Val Leu Leu Cys Thr Tyr Asp Thr Val Tyr Ser Asn Pro Asp

20

25

30

Leu Phe Trp Tyr Arg Ile Arg Pro Asp Tyr Ser Phe Gln Phe Val Phe

35

40

45

Tyr Gly Asp Asn Ser Arg Ser Glu Gly Ala Asp Phe Thr Gln Gly Arg

50

55

60

Phe Ser Val Lys His Ile Leu Thr Gln Lys Ala Phe His Leu Val Ile

65

70

75

80

Ser Pro Val Arg Thr Glu Asp Ser Ala Thr Tyr Tyr Cys Ala Phe

85

90

95

$\langle 210 \rangle$ 312

<211> 119

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<223> Pesado variable de E01

<400> 312

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg His Gln Val Asp Thr Arg Thr Ala Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 313

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<223> Liviano variable de E01

<400> 313

Ala	Ser	Gln	Ser	Ala	Leu	Thr	Gln	Pro	Ala	Ser	Val	Ser	Gly	Ser	Pro
1				5					10					15	

Gly	Gln	Ser	Val	Thr	Ile	Ser	Cys	Thr	Gly	Thr	Arg	Ser	Asp	Val	Gly
			20					25					30		

Gly	Tyr	Asn	Tyr	Val	Ser	Trp	Tyr	Gln	His	His	Pro	Gly	Lys	Ala	Pro
		35					40					45			

Lys	Leu	Met	Ile	Tyr	Glu	Val	Ser	Asn	Arg	Pro	Ser	Gly	Val	Ser	Asn
	50						55					60			

Arg	Phe	Ser	Gly	Ser	Lys	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Ser
65					70					75					80

Gly	Leu	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Ser	Ser	Tyr	Thr
				85					90					95	

Ser	Thr	Ser	Thr	Leu	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu
				100					105					110	

<210> 314

<211> 250

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión scFv anti-CD19

<400> 314

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ala	Glu	Leu	Val	Arg	Pro	Gly	Ser
1				5						10					15

Ser	Val	Lys	Ile	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Ala	Phe	Ser	Ser	Tyr
				20					25					30	

Trp	Met	Asn	Trp	Val	Lys	Gln	Arg	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Ile
		35					40					45			

Gly	Gln	Ile	Trp	Pro	Gly	Asp	Gly	Asp	Thr	Asn	Tyr	Asn	Gly	Lys	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50

55

60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Arg Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu Thr
130 135 140

Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala Thr Ile
145 150 155 160

Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Leu
165 170 175

Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr
180 185 190

Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro Arg Phe Ser Gly Ser
195 200 205

Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro Val Glu Lys Val
210 215 220

Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr Glu Asp Pro Trp Thr
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
245 250

<210> 315

<211> 931

<212> PRT

<213> Homo sapiens

<220>

<223> G04 x Anti-CD19 multiespecífico (longitud completa)

<400> 315

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn
20 25 30

Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr
100 105 110

Ala Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
180 185 190

Lys Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
195 200 205

Thr Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Gln Gln Ser
210 215 220

Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala
225 230 235 240

Ile Ser Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile
245 250 255

Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr
260 265 270

Arg Ser Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile

275

280

285

Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn

290

295

300

Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp

305

310

315

320

Ser Gly Tyr Val Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser

325

330

335

Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser

340

345

350

Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp

355

360

365

Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr

370

375

380

Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr

385

390

395

400

Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln

405

410

415

Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp
420 425 430

Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
435 440 445

Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro
450 455 460

Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
465 470 475 480

Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
485 490 495

Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
500 505 510

Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
515 520 525

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
530 535 540

Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
545 550 555 560

Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
565 570 575

Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
580 585 590

Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
595 600 605

Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
610 615 620

Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
625 630 635 640

Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
645 650 655

Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly
660 665 670

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Gln Gln Ser
675 680 685

Gly Ala Glu Leu Val Arg Pro Gly Ser Ser Val Lys Ile Ser Cys Lys
690 695 700

Ala Ser Gly Tyr Ala Phe Ser Ser Tyr Trp Met Asn Trp Val Lys Gln
705 710 715 720

Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Gln Ile Trp Pro Gly Asp
725 730 735

Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr
740 745 750

Ala Asp Glu Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Ala
755 760 765

Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg Arg Glu Thr Thr Thr
770 775 780

Val Gly Arg Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Thr
785 790 795 800

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly

805

810

815

Gly Gly Gly Ser Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala

820

825

830

Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser

835

840

845

Val Asp Tyr Asp Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro

850

855

860

Gly Gln Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser

865

870

875

880

Gly Ile Pro Pro Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr

885

890

895

Leu Asn Ile His Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys

900

905

910

Gln Gln Ser Thr Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu

915

920

925

Glu Ile Lys

930

<210> 316

<211> 928

<212> PRT

<213> Homo sapiens

<220>

<223> E07 x Anti-CD19 multiespecífico (longitud completa)

<400> 316

Ala	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser
1				5					10					15	

Val	Gly	Asp	Arg	Val	Thr	Ile	Ala	Cys	Arg	Ala	Gly	Gln	Ser	Ile	Gly
				20					25					30	

Thr	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu
			35					40					45		

Leu	Ile	Tyr	Val	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe
		50					55					60			

Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu
65						70				75					80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Leu Leu Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg Thr Ala
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
180 185 190

Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Val Glu Ser Gly
210 215 220

Gly Gly Leu Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
225 230 235 240

Ser Gly Phe Thr Phe Ser Asp Tyr Tyr Met Ser Trp Ile Arg Gln Ala
245 250 255

Pro Gly Lys Gly Leu Glu Trp Val Ser Tyr Ile Ser Ser Ser Gly Ser
260 265 270

Thr Ile Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
275 280 285

Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
290 295 300

Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Val Asp Tyr Ala Asp Ala
305 310 315 320

Phe Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser
325 330 335

Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr

340

345

350

Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro

355

360

365

Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val

370

375

380

His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser

385

390

395

400

Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile

405

410

415

Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val

420

425

430

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala

435

440

445

Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro

450

455

460

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val

465

470

475

480

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
485 490 495

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
500 505 510

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
515 520 525

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
530 535 540

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
545 550 555 560

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
565 570 575

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
580 585 590

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
595 600 605

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
610 615 620

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
625 630 635 640

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
645 650 655

Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
660 665 670

Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu
675 680 685

Leu Val Arg Pro Gly Ser Ser Val Lys Ile Ser Cys Lys Ala Ser Gly
690 695 700

Tyr Ala Phe Ser Ser Tyr Trp Met Asn Trp Val Lys Gln Arg Pro Gly
705 710 715 720

Gln Gly Leu Glu Trp Ile Gly Gln Ile Trp Pro Gly Asp Gly Asp Thr
725 730 735

Asn Tyr Asn Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Glu
740 745 750

Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Ala Ser Glu Asp
755 760 765

Ser Ala Val Tyr Phe Cys Ala Arg Arg Glu Thr Thr Thr Val Gly Arg
770 775 780

Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val
785 790 795 800

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
805 810 815

Ser Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu
820 825 830

Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr
835 840 845

Asp Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro
850 855 860

Pro Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro

865 870 875 880

Pro Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile
885 890 895

His Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser
900 905 910

Thr Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
915 920 925

<210> 317

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> C08 HCDR1

<400> 317

Gly Phe Thr Val Ser Ser Asn Tyr

1 5

<210> 318

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> C08 HCDR2

<400> 318

Ile Tyr Ser Gly Gly Ser Thr

1 5

<210> 319

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> C08 HCDR3

<400> 319

Pro Ile Glu Leu Gly Ala Phe Asp Ile

1 5

<210> 320

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> B07 HCDR1

<400> 320

Gly Phe Thr Phe Ser Asp Tyr Tyr

1 5

<210> 321

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> B07 HCDR2

<400> 321

Ile Ser Ser Ser Gly Ser Thr Ile

1 5

<210> 322

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> B07 HCDR3

<400> 322

Glu Asn Tyr Leu Asn Ala Phe Asp Ile

1 5

<210> 323

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> C05 HCDR1

<400> 323

Gly Phe Thr Phe Ser Ser Tyr Ala

1 5

<210> 324

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> C05 HCDR2

<400> 324

Ile Ser Gly Gly Gly Gly Thr Thr

1 5

<210> 325

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> C05 HCDR3

<400> 325

Asp Ser Gly Val Ala Phe Asp Ile

1 5

<210> 326

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> E04 HCDR1

<400> 326

Gly Asp Ser Val Ser Ser Asn Ser Ala Ala
1 5 10

<210> 327

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> E04 HCDR2

<400> 327

Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn
1 5

<210> 328

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> E04 HCDR3

<400> 328

Ser Trp Asn Asp Ala Phe Asp Ile
1 5

<210> 329

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> F07 HCDR1

<400> 329

Gly Asp Ser Val Ser Ser Asn Ser Ala Ala
1 5 10

<210> 330

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> F07 HCDR2

<400> 330

Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn
1 5

<210> 331

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> F07 HCDR3

<400> 331

Asp Tyr Tyr Tyr Ser Met Asp Val
1 5

<210> 332

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> G06 HCDR1

<400> 332

Gly Phe Thr Phe Ser Asp Tyr Tyr

1 5

<210> 333

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> G06 HCDR2

<400> 333

Ile Ser Ser Ser Gly Ser Thr Ile

1 5

<210> 334

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G06 HCDR3

<400> 334

His Ser Trp Asn Asp Ala Phe Asp Val

1 5

<210> 335

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> G09 HCDR1

<400> 335

Gly Asp Ser Val Ser Ser Asn Ser Ala Ala

1 5 10

<210> 336

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G09 HCDR2

<400> 336

Thr Tyr Tyr Gly Ser Lys Trp Tyr Asn

1 5

<210> 337

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> G09 HCDR3

<400> 337

Asp Tyr Tyr Tyr Ser Met Asp Val

1 5

<210> 338

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> B09 HCDR1

<400> 338

Gly Phe Thr Phe Ser Asp Tyr Tyr
1 5

<210> 339

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> B09 HCDR2

<400> 339

Ile Ser Ser Ser Gly Ser Thr Ile
1 5

<210> 340

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> B09 HCDR3

<400> 340

His Ser Trp Ser Asp Ala Phe Asp Ile

1

5

<210> 341

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> G10 HCDR1

<400> 341

Gly Phe Thr Phe Ser Asp Tyr Tyr

1

5

<210> 342

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> G10 HCDR2

<400> 342

Ile Ser Ser Ser Gly Ser Thr Ile

1

5

<210> 343

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G10 HCDR3

<400> 343

His Ser Trp Asn Asp Ala Phe Asp Ile

1

5

<210> 344

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> E01 HCDR1

<400> 344

Gly Tyr Ser Phe Thr Ser Tyr Trp

1

5

<210> 345

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> E02 HCDR2

<400> 345

Ile Tyr Pro Gly Asp Ser Asp Thr

1 5

<210> 346

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> E02 HCDR3

<400> 346

His Gln Val Asp Thr Arg Thr Ala Asp Tyr

1 5 10

<210> 347

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> C08 LCDR1

<400> 347

Asn Ile Gly Ser Gln Ser

1 5

<210> 348

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> C08 LCDR2

<400> 348

Tyr Asp Ser

1

<210> 349

<211> 11
<212> PRT
<213> Homo sapiens

<220>

<223> C08 LCDR3

<400> 349

Gln Val Trp Asp Ser Ser Ser Asp His Val Val
1 5 10

<210> 350
<211> 6
<212> PRT
<213> Homo sapiens

<220>

<223> B07 LCDR1

<400> 350

Gln Ser Leu Ser Asn Tyr
1 5

<210> 351
<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> B07 LCDR2

<400> 351

Ala Ala Ser

1

<210> 352

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> B07 LCDR3

<400> 352

Gln Gln Ser Tyr Ser Thr Pro Leu Thr

1

5

<210> 353

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> C05 LCDR1

<400> 353

Gln Asn Ile Arg Thr Trp

1 5

<210> 354

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> C05 LCDR2

<400> 354

Asp Ala Ser

1

<210> 355

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> C05 LCDR3

<400> 355

Gln Gln Phe Lys Arg Tyr Pro Pro Thr

1 5

<210> 356

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> E04 LCDR1

<400> 356

Gln Ser Ile Ser Thr Trp

1 5

<210> 357

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> E04 LCDR2

<400> 357

Asp Ala Ser

1

<210> 358

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> E04 LCDR3

<400> 358

Gln Gln Ser Tyr Ser Thr Pro Leu Thr

1

5

<210> 359

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> F07 LCDR1

<400> 359

Gln Ser Ile Ser Ser Trp

1 5

<210> 360

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> F07 LCDR2

<400> 360

Asp Ala Ser

1

<210> 361

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> F07 LCDR3

<400> 361

Gln Gln Ser His Ser His Pro Pro Thr

1 5

<210> 362

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> G06 LCDR1

<400> 362

Gln Ser Ile Ser Ser Tyr

1 5

<210> 363

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> G06 LCDR2

<400> 363

Ala Ala Ser

1

<210> 364

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G06 LCDR3

<400> 364

Gln Gln Ser Tyr Ser Thr Pro Asp Thr

1

5

<210> 365

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> G09 LCDR1

<400> 365

Gln Ser Ile Ser Thr Trp

1 5

<210> 366

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> G09 LCDR2

<400> 366

Asp Ala Ser

1

<210> 367

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G09 LCDR3

<400> 367

Gln Gln Ser Tyr Ser Thr Pro Val Thr
1 5

<210> 368

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> B09 LCDR1

<400> 368

Gln Asp Ile Ser Asn Tyr
1 5

<210> 369

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> B09 LCDR2

<400> 369

Asp Ala Ser

1

<210> 370

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> B09 LCDR3

<400> 370

Gln Gln Ser Tyr Ser Thr Pro Leu Thr

1

5

<210> 371

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> G10 LCDR1

<400> 371

Gln Ser Ile Ser Ser His

1

5

<210> 372

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> G10 LCDR2

<400> 372

Ala Ala Ser

1

<210> 373

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> G10 LCDR3

<400> 373

Gln Gln Ser Tyr Ser Thr Leu Leu Thr

1

5

<210> 374

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> E01 LCDR1

<400> 374

Arg Ser Asp Val Gly Gly Tyr Asn Tyr

1

5

<210> 375

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> E02 LCDR2

<400> 375

Glu Val Ser

1

<210> 376
<211> 10
<212> PRT
<213> Homo sapiens

<220>

<223> E02 LCDR3

<400> 376

Ser Ser Tyr Thr Ser Thr Ser Thr Leu Val
1 5 10

<210> 377
<211> 661
<212> PRT
<213> secuencia artificial

<220>

<223> Anti-lisozima de pollo x FS1-67 Fcab (dominio de fijación
a EGFR)

<400> 377

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His
20 25 30

Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Tyr Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln His Phe Trp Ser Thr
85 90 95

Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Ala
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn

145		150		155		160									
Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr	Ser
				165					170					175	
Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu	Lys	His	Lys
				180				185					190		
Leu	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val	Thr
		195					200					205			
Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly
	210					215					220				
Pro	Gly	Leu	Val	Arg	Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val
225					230					235					240
Ser	Gly	Ser	Thr	Phe	Ser	Gly	Tyr	Gly	Val	Asn	Trp	Val	Arg	Gln	Pro
				245					250					255	
Pro	Gly	Arg	Gly	Leu	Glu	Trp	Ile	Gly	Met	Ile	Trp	Gly	Asp	Gly	Asn
			260					265					270		
Thr	Asp	Tyr	Asn	Ser	Ala	Leu	Lys	Ser	Arg	Val	Thr	Met	Leu	Val	Asp
	275						280					285			

Thr Ser Lys Asn Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala
290 295 300

Asp Thr Ala Val Tyr Tyr Cys Ala Arg Glu Arg Asp Tyr Arg Leu Asp
305 310 315 320

Tyr Trp Gly Gln Gly Ser Leu Val Thr Val Ser Ser Ala Ser Thr Lys
325 330 335

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
340 345 350

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
355 360 365

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
370 375 380

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
385 390 395 400

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
405 410 415

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro
420 425 430

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
435 440 445

Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
450 455 460

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
465 470 475 480

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
485 490 495

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
500 505 510

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
515 520 525

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
530 535 540

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
545 550 555 560

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Thr Asp Asp Gly
565 570 575

Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
580 585 590

Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr
595 600 605

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
610 615 620

Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys
625 630 635 640

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
645 650 655

Ser Leu Ser Pro Gly
660

<210> 378

<211> 662

<212> PRT

<213> Homo sapiens

<220>

f

<400> 378

Ala	Ser	Ser	Tyr	Glu	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Val	Ala	Pro
1				5					10					15	

Gly	Lys	Thr	Ala	Arg	Ile	Thr	Cys	Gly	Gly	Asn	Asn	Ile	Gly	Ser	Gln
			20					25					30		

Ser	Val	His	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Met	Leu	Val
		35					40					45			

Ile	Tyr	Tyr	Asp	Ser	Asp	Arg	Pro	Ser	Gly	Ile	Pro	Glu	Arg	Phe	Ser
	50					55					60				

Gly	Ser	Asn	Ser	Gly	Asn	Thr	Ala	Thr	Leu	Thr	Ile	Ser	Arg	Val	Glu
65					70					75					80

Ala	Gly	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Gln	Val	Trp	Asp	Ser	Ser	Ser
				85					90					95	

Asp His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

Pro Ala Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr
130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys
145 150 155 160

Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr
165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His
180 185 190

Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys
195 200 205

Thr Val Ala Pro Thr Glu Cys Ser Glu Val Gln Leu Leu Glu Ser Gly
210 215 220

Gly Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala
225 230 235 240

Ser Gly Phe Thr Val Ser Ser Asn Tyr Met Ser Trp Val Arg Gln Ala
245 250 255

Pro Gly Lys Gly Leu Glu Trp Val Ser Val Ile Tyr Ser Gly Gly Ser
260 265 270

Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
275 280 285

Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu
290 295 300

Asp Thr Ala Val Tyr Tyr Cys Ala Ser Pro Ile Glu Leu Gly Ala Phe
305 310 315 320

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr
325 330 335

Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser
340 345 350

Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu
355 360 365

Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His
370 375 380

Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser
385 390 395 400

Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys
405 410 415

Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu
420 425 430

Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro
435 440 445

Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
450 455 460

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
465 470 475 480

Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp

485

490

495

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr

500

505

510

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp

515

520

525

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu

530

535

540

Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg

545

550

555

560

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Thr Asp Asp

565

570

575

Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp

580

585

590

Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys

595

600

605

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser

610

615

620

Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser
625 630 635 640

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
645 650 655

Leu Ser Leu Ser Pro Gly
660

<210> 379

<211> 666

<212> PRT

<213> Homo sapiens

<220>

<223> Progenitor G04 x FS1-67 (LAGA)

<400> 379

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn
20 25 30

Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr
100 105 110

Ala Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
180 185 190

Lys Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
195 200 205

Thr Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Gln Gln Ser
210 215 220

Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala
225 230 235 240

Ile Ser Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile
245 250 255

Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr
260 265 270

Arg Ser Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile
275 280 285

Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn

290

295

300

Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp
305 310 315 320

Ser Gly Tyr Val Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
325 330 335

Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser
340 345 350

Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp
355 360 365

Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr
370 375 380

Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr
385 390 395 400

Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln
405 410 415

Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp
420 425 430

Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
435 440 445

Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro
450 455 460

Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
465 470 475 480

Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
485 490 495

Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
500 505 510

Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
515 520 525

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
530 535 540

Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
545 550 555 560

Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
565 570 575

Glu Thr Asp Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe
580 585 590

Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu
595 600 605

Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
610 615 620

Phe Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly
625 630 635 640

Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
645 650 655

Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
660 665

<210> 380

<211> 663

<212> PRT

<213> Homo sapiens

<220>

<223> Progenitor E07 x FS1-67 (LAGA)

<400> 380

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly
20 25 30

Thr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Leu Leu Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg Thr Ala

	100		105		110														
Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu	Gln	Leu	Lys				
	115						120					125							
Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe	Tyr	Pro	Arg				
	130					135					140								
Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln	Ser	Gly	Asn				
145					150					155					160				
Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr	Ser				
				165					170					175					
Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu	Lys	His	Lys				
			180					185					190						
Leu	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val	Thr				
	195							200				205							
Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	Gln	Val	Gln	Leu	Val	Glu	Ser	Gly				
	210						215				220								
Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala				
225						230				235					240				

Ser Gly Phe Thr Phe Ser Asp Tyr Tyr Met Ser Trp Ile Arg Gln Ala
245 250 255

Pro Gly Lys Gly Leu Glu Trp Val Ser Tyr Ile Ser Ser Ser Gly Ser
260 265 270

Thr Ile Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
275 280 285

Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
290 295 300

Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Val Asp Tyr Ala Asp Ala
305 310 315 320

Phe Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser
325 330 335

Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr
340 345 350

Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
355 360 365

Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val
370 375 380

His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser
385 390 395 400

Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile
405 410 415

Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val
420 425 430

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
435 440 445

Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
450 455 460

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
465 470 475 480

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
485 490 495

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
500 505 510

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
515 520 525

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
530 535 540

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
545 550 555 560

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Thr Asp
565 570 575

Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
580 585 590

Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr
595 600 605

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
610 615 620

Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe

625 630 635 640

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
 645 650 655

Ser Leu Ser Leu Ser Pro Gly
 660

<210> 381

<211> 917

<212> PRT

<213> secuencia artificial

<220>

<223> Anti-Lisozima de pollo x ligador Cetuximav scFV (dominio
de unión a EGFR

como cuerpo Morrison en el término C de CH3)

<400> 381

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His
 20 25 30

Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
 35 40 45

Leu Ile Tyr Tyr Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln His Phe Trp Ser Thr
85 90 95

Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Ala
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
180 185 190

Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Gln Glu Ser Gly
210 215 220

Pro Gly Leu Val Arg Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val
225 230 235 240

Ser Gly Ser Thr Phe Ser Gly Tyr Gly Val Asn Trp Val Arg Gln Pro
245 250 255

Pro Gly Arg Gly Leu Glu Trp Ile Gly Met Ile Trp Gly Asp Gly Asn
260 265 270

Thr Asp Tyr Asn Ser Ala Leu Lys Ser Arg Val Thr Met Leu Val Asp
275 280 285

Thr Ser Lys Asn Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala
290 295 300

Asp Thr Ala Val Tyr Tyr Cys Ala Arg Glu Arg Asp Tyr Arg Leu Asp
305 310 315 320

Tyr Trp Gly Gln Gly Ser Leu Val Thr Val Ser Ser Ala Ser Thr Lys
325 330 335

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
340 345 350

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
355 360 365

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
370 375 380

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
385 390 395 400

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
405 410 415

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro
420 425 430

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu

435

440

445

Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp

450

455

460

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp

465

470

475

480

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly

485

490

495

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn

500

505

510

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp

515

520

525

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro

530

535

540

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu

545

550

555

560

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn

565

570

575

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
580 585 590

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
595 600 605

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
610 615 620

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
625 630 635 640

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
645 650 655

Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
660 665 670

Gly Gly Gly Ser Gln Val Gln Leu Lys Gln Ser Gly Pro Gly Leu Val
675 680 685

Gln Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser
690 695 700

Leu Thr Asn Tyr Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly
705 710 715 720

Leu Glu Trp Leu Gly Val Ile Trp Ser Gly Gly Asn Thr Asp Tyr Asn
725 730 735

Thr Pro Phe Thr Ser Arg Leu Ser Ile Asn Lys Asp Asn Ser Lys Ser
740 745 750

Gln Val Phe Phe Lys Met Asn Ser Leu Gln Ser Asn Asp Thr Ala Ile
755 760 765

Tyr Tyr Cys Ala Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr
770 775 780

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Gly Gly Gly Gly Ser
785 790 795 800

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Leu Leu Thr Gln
805 810 815

Ser Pro Val Ile Leu Ser Val Ser Pro Gly Glu Arg Val Ser Phe Ser
820 825 830

Cys Arg Ala Ser Gln Ser Ile Gly Thr Asn Ile His Trp Tyr Gln Gln
835 840 845

Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile Lys Tyr Ala Ser Glu Ser
850 855 860

Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
865 870 875 880

Phe Thr Leu Ser Ile Asn Ser Val Glu Ser Glu Asp Ile Ala Asp Tyr
885 890 895

Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr Thr Phe Gly Ala Gly Thr
900 905 910

Lys Leu Glu Leu Lys
915

<210> 382

<211> 918

<212> PRT

<213> Homo sapiens

<220>

<223> Anti-Lisozima de pollo x ligador Cetuximav scFV (dominio de unión a EGFR como un

como cuerpo Morrison en el término C de CH3)

<400> 382

Ala Ser Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro
1 5 10 15

Gly Lys Thr Ala Arg Ile Thr Cys Gly Gly Asn Asn Ile Gly Ser Gln
20 25 30

Ser Val His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Met Leu Val
35 40 45

Ile Tyr Tyr Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser
50 55 60

Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu
65 70 75 80

Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Ser Ser
85 90 95

Asp His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

Pro Ala Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr
130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys
145 150 155 160

Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr
165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His
180 185 190

Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys
195 200 205

Thr Val Ala Pro Thr Glu Cys Ser Glu Val Gln Leu Leu Glu Ser Gly
210 215 220

Gly Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala
225 230 235 240

Ser Gly Phe Thr Val Ser Ser Asn Tyr Met Ser Trp Val Arg Gln Ala
245 250 255

Pro Gly Lys Gly Leu Glu Trp Val Ser Val Ile Tyr Ser Gly Gly Ser
260 265 270

Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
275 280 285

Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu
290 295 300

Asp Thr Ala Val Tyr Tyr Cys Ala Ser Pro Ile Glu Leu Gly Ala Phe
305 310 315 320

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr
325 330 335

Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser
340 345 350

Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu
355 360 365

Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His

370

375

380

Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser
385 390 395 400

Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys
405 410 415

Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu
420 425 430

Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro
435 440 445

Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
450 455 460

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
465 470 475 480

Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp
485 490 495

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr
500 505 510

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
515 520 525

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu
530 535 540

Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
545 550 555 560

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys
565 570 575

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
580 585 590

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
595 600 605

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
610 615 620

Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser
625 630 635 640

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
645 650 655

Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
660 665 670

Gly Gly Gly Gly Ser Gln Val Gln Leu Lys Gln Ser Gly Pro Gly Leu
675 680 685

Val Gln Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe
690 695 700

Ser Leu Thr Asn Tyr Gly Val His Trp Val Arg Gln Ser Pro Gly Lys
705 710 715 720

Gly Leu Glu Trp Leu Gly Val Ile Trp Ser Gly Gly Asn Thr Asp Tyr
725 730 735

Asn Thr Pro Phe Thr Ser Arg Leu Ser Ile Asn Lys Asp Asn Ser Lys
740 745 750

Ser Gln Val Phe Phe Lys Met Asn Ser Leu Gln Ser Asn Asp Thr Ala
755 760 765

Ile Tyr Tyr Cys Ala Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala
770 775 780

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Gly Gly Gly Gly
785 790 795 800

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Leu Leu Thr
805 810 815

Gln Ser Pro Val Ile Leu Ser Val Ser Pro Gly Glu Arg Val Ser Phe
820 825 830

Ser Cys Arg Ala Ser Gln Ser Ile Gly Thr Asn Ile His Trp Tyr Gln
835 840 845

Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile Lys Tyr Ala Ser Glu
850 855 860

Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr
865 870 875 880

Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Ser Glu Asp Ile Ala Asp
885 890 895

Tyr Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr Thr Phe Gly Ala Gly

900

905

910

Thr Lys Leu Glu Leu Lys

915

<210> 383

<211> 922

<212> PRT

<213> Homo sapiens

<220>

<223> Progenitor G04 x ligador Cetuximav scFV (dominio de unión
a EGFR como un

como cuerpo Morrison en el término C de CH3)

<400> 383

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser

1

5

10

15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn

20

25

30

Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu

35

40

45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr
100 105 110

Ala Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His

	180		185		190										
Lys	Leu	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val
	195						200					205			
Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	Gln	Val	Gln	Leu	Gln	Gln	Ser
	210					215					220				
Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Ala
225					230					235					240
Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys	Ser	Ala	Ala	Trp	Asn	Trp	Ile
				245					250				255		
Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu	Trp	Leu	Gly	Arg	Thr	Tyr	Tyr
			260					265					270		
Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala	Ala	Ser	Val	Lys	Ser	Arg	Ile
	275						280					285			
Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn	Gln	Leu	Ser	Leu	Gln	Leu	Asn
	290					295					300				
Ser	Val	Thr	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Thr	Trp
305					310					315					320

Ser Gly Tyr Val Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
325 330 335

Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser
340 345 350

Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp
355 360 365

Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr
370 375 380

Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr
385 390 395 400

Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln
405 410 415

Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp
420 425 430

Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
435 440 445

Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro
450 455 460

Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
465 470 475 480

Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
485 490 495

Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
500 505 510

Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
515 520 525

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
530 535 540

Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
545 550 555 560

Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
565 570 575

Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
580 585 590

Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
595 600 605

Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
610 615 620

Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
625 630 635 640

Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
645 650 655

Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly
660 665 670

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Lys Gln Ser
675 680 685

Gly Pro Gly Leu Val Gln Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr
690 695 700

Val Ser Gly Phe Ser Leu Thr Asn Tyr Gly Val His Trp Val Arg Gln

705		710		715		720									
Ser	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Leu	Gly	Val	Ile	Trp	Ser	Gly	Gly
				725					730					735	
Asn	Thr	Asp	Tyr	Asn	Thr	Pro	Phe	Thr	Ser	Arg	Leu	Ser	Ile	Asn	Lys
				740				745					750		
Asp	Asn	Ser	Lys	Ser	Gln	Val	Phe	Phe	Lys	Met	Asn	Ser	Leu	Gln	Ser
		755					760						765		
Asn	Asp	Thr	Ala	Ile	Tyr	Tyr	Cys	Ala	Arg	Ala	Leu	Thr	Tyr	Tyr	Asp
	770					775					780				
Tyr	Glu	Phe	Ala	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ala
785					790					795					800
Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Asp
				805					810					815	
Ile	Leu	Leu	Thr	Gln	Ser	Pro	Val	Ile	Leu	Ser	Val	Ser	Pro	Gly	Glu
			820					825					830		
Arg	Val	Ser	Phe	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Ile	Gly	Thr	Asn	Ile
		835					840					845			

His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile Lys
850 855 860

Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly Ser
865 870 875 880

Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Ser Glu
885 890 895

Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr Thr
900 905 910

Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
915 920

<210> 384

<211> 919

<212> PRT

<213> Homo sapiens

<220>

<223> Progenitor E07 x ligador Cetuximav scFV (dominio de unión
a EGFR como un

como cuerpo Morrison en el término C de CH3)

<400> 384

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
1 5 10 15

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly
20 25 30

Thr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Leu Leu Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg Thr Ala
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
180 185 190

Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Val Glu Ser Gly
210 215 220

Gly Gly Leu Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
225 230 235 240

Ser Gly Phe Thr Phe Ser Asp Tyr Tyr Met Ser Trp Ile Arg Gln Ala
245 250 255

Pro Gly Lys Gly Leu Glu Trp Val Ser Tyr Ile Ser Ser Ser Gly Ser
260 265 270

Thr Ile Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
275 280 285

Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
290 295 300

Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Val Asp Tyr Ala Asp Ala
305 310 315 320

Phe Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser
325 330 335

Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr
340 345 350

Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
355 360 365

Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val
370 375 380

His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser
385 390 395 400

Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile
405 410 415

Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val
420 425 430

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
435 440 445

Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
450 455 460

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
465 470 475 480

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
485 490 495

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
500 505 510

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln

515

520

525

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala

530

535

540

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro

545

550

555

560

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr

565

570

575

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser

580

585

590

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr

595

600

605

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr

610

615

620

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe

625

630

635

640

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys

645

650

655

Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
660 665 670

Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Lys Gln Ser Gly Pro Gly
675 680 685

Leu Val Gln Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr Val Ser Gly
690 695 700

Phe Ser Leu Thr Asn Tyr Gly Val His Trp Val Arg Gln Ser Pro Gly
705 710 715 720

Lys Gly Leu Glu Trp Leu Gly Val Ile Trp Ser Gly Gly Asn Thr Asp
725 730 735

Tyr Asn Thr Pro Phe Thr Ser Arg Leu Ser Ile Asn Lys Asp Asn Ser
740 745 750

Lys Ser Gln Val Phe Phe Lys Met Asn Ser Leu Gln Ser Asn Asp Thr
755 760 765

Ala Ile Tyr Tyr Cys Ala Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe
770 775 780

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Gly Gly Gly
785 790 795 800

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Leu Leu
805 810 815

Thr Gln Ser Pro Val Ile Leu Ser Val Ser Pro Gly Glu Arg Val Ser
820 825 830

Phe Ser Cys Arg Ala Ser Gln Ser Ile Gly Thr Asn Ile His Trp Tyr
835 840 845

Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile Lys Tyr Ala Ser
850 855 860

Glu Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
865 870 875 880

Thr Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Ser Glu Asp Ile Ala
885 890 895

Asp Tyr Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr Thr Phe Gly Ala
900 905 910

Gly Thr Lys Leu Glu Leu Lys

915

<210> 385

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> IgG1/CH1-CH2-CH3FS-167 VHCDR1

<400> 385

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr

20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser

35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser

50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr

80

95

110

125

140

160

175

190

205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Thr Asp Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 386

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> IgG1 CH1-CH2-CH3 FS-167 Fcab (LAGA)

<400> 386

Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Ser	Ser	Lys
1				5					10					15	

Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr
			20					25					30		

Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser
		35					40					45			

Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser
	50					55						60			

Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr
65					70					75					80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly

210

215

220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu

225

230

235

240

Thr Asp Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr

245

250

255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn

260

265

270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe

275

280

285

Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn

290

295

300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr

305

310

315

320

Gln Lys Ser Leu Ser Leu Ser Pro Gly

325

<210> 387

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<223> scFV Cetuximab (empleado en formato de cuerpo de Morrison)

<400> 387

Gln	Val	Gln	Leu	Lys	Gln	Ser	Gly	Pro	Gly	Leu	Val	Gln	Pro	Ser	Gln
1				5					10					15	

Ser	Leu	Ser	Ile	Thr	Cys	Thr	Val	Ser	Gly	Phe	Ser	Leu	Thr	Asn	Tyr
				20					25					30	

Gly	Val	His	Trp	Val	Arg	Gln	Ser	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Leu
		35						40					45		

Gly	Val	Ile	Trp	Ser	Gly	Gly	Asn	Thr	Asp	Tyr	Asn	Thr	Pro	Phe	Thr
		50					55						60		

Ser	Arg	Leu	Ser	Ile	Asn	Lys	Asp	Asn	Ser	Lys	Ser	Gln	Val	Phe	Phe
65						70					75				80

Lys	Met	Asn	Ser	Leu	Gln	Ser	Asn	Asp	Thr	Ala	Ile	Tyr	Tyr	Cys	Ala
					85					90					95

Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Leu Leu Thr Gln Ser Pro Val Ile
130 135 140

Leu Ser Val Ser Pro Gly Glu Arg Val Ser Phe Ser Cys Arg Ala Ser
145 150 155 160

Gln Ser Ile Gly Thr Asn Ile His Trp Tyr Gln Gln Arg Thr Asn Gly
165 170 175

Ser Pro Arg Leu Leu Ile Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile
180 185 190

Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser
195 200 205

Ile Asn Ser Val Glu Ser Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln
210 215 220

Asn	Asn	Asn	Trp	Pro	Thr	Thr	Phe	Gly	Ala	Gly	Thr	Lys	Leu	Glu	Leu
225					230					235					240

Lys

<210> 388

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x FS1-67 EGFR (LAGA)

<400> 388

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Pro	Ala	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn	Asp	Trp
			20					25					30		

Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val

	180		185		190												
Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys		
	195						200					205					
Ser	Phe	Asn	Arg	Gly	Glu	Cys	Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro		
	210					215					220						
Gly	Leu	Val	Lys	Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser		
225					230					235					240		
Gly	Asp	Ser	Val	Ser	Ser	Lys	Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln		
				245					250					255			
Ser	Pro	Ser	Arg	Gly	Leu	Glu	Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser		
			260					265					270				
Lys	Trp	Ser	Thr	Asp	Tyr	Ala	Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile		
	275						280					285					
Asn	Pro	Asp	Thr	Ser	Lys	Asn	Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val		
	290					295					300						
Thr	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Thr	Trp	Val	Gly		
305					310					315					320		

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Thr
565 570 575

Asp Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly
660

<210> 389

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x LEE (LAGA)

<400> 389

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
290 295 300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His

515

520

525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys

530

535

540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln

545

550

555

560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu

565

570

575

Glu Glu Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro

580

585

590

Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn

595

600

605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu

610

615

620

Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val

625

630

635

640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln

645

650

655

Lys Ser Leu Ser Leu Ser Pro Gly

660

<210> 390

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<223> Receptor de folato alfa

<400> 390

Met Ala Gln Arg Met Thr Thr Gln Leu Leu Leu Leu Leu Val Trp Val

1 5 10 15

Ala Val Val Gly Glu Ala Gln Thr Arg Ile Ala Trp Ala Arg Thr Glu

20 25 30

Leu Leu Asn Val Cys Met Asn Ala Lys His His Lys Glu Lys Pro Gly

35 40 45

Pro Glu Asp Lys Leu His Glu Gln Cys Arg Pro Trp Arg Lys Asn Ala

50 55 60

Cys Cys Ser Thr Asn Thr Ser Gln Glu Ala His Lys Asp Val Ser Tyr
65 70 75 80

Leu Tyr Arg Phe Asn Trp Asn His Cys Gly Glu Met Ala Pro Ala Cys
85 90 95

Lys Arg His Phe Ile Gln Asp Thr Cys Leu Tyr Glu Cys Ser Pro Asn
100 105 110

Leu Gly Pro Trp Ile Gln Gln Val Asp Gln Ser Trp Arg Lys Glu Arg
115 120 125

Val Leu Asn Val Pro Leu Cys Lys Glu Asp Cys Glu Gln Trp Trp Glu
130 135 140

Asp Cys Arg Thr Ser Tyr Thr Cys Lys Ser Asn Trp His Lys Gly Trp
145 150 155 160

Asn Trp Thr Ser Gly Phe Asn Lys Cys Ala Val Gly Ala Ala Cys Gln
165 170 175

Pro Phe His Phe Tyr Phe Pro Thr Pro Thr Val Leu Cys Asn Glu Ile
180 185 190

Trp Thr His Ser Tyr Lys Val Ser Asn Tyr Ser Arg Gly Ser Gly Arg
195 200 205

Cys Ile Gln Met Trp Phe Asp Pro Ala Gln Gly Asn Pro Asn Glu Glu
210 215 220

Val Ala Arg Phe Tyr Ala Ala Ala Met Ser Gly Ala Gly Pro Trp Ala
225 230 235 240

Ala Trp Pro Phe Leu Leu Ser Leu Ala Leu Met Leu Leu Trp Leu Leu
245 250 255

Ser

<210> 391

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a EGFR (LEE) (LAGA)

<400> 391

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

1	5	10	15
Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr			
	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser			
	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser			
	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr			
65	70	75	80
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys			
	85	90	95
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys			
	100	105	110
Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro			
	115	120	125
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys			
	130	135	140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Glu Glu Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 392

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a EGFR (LEE) (IgG1)

<400> 392

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp

145		150		155		160									
Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu
			165						170					175	
Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu
			180					185					190		
His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn
		195					200					205			
Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly
	210					215					220				
Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu
225					230					235					240
Leu	Glu	Glu	Gly	Pro	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr
			245						250					255	
Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Thr	Tyr	Gly	Pro	Glu	Asn
			260					265					270		
Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe
		275					280					285			

Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 393

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HER2 (LAGA)

<400> 393

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val

290

295

300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Phe
565 570 575

Phe Thr Tyr Trp Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Asp Arg Arg Arg Trp Thr Ala Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly
660

<210> 394

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a HER2 (LAGA)

<400> 394

Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Ser	Ser	Lys
1				5					10					15	

Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr
			20					25					30		

Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser
		35					40					45			

Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser
	50					55					60				

Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr
65					70					75					80

Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys
				85					90					95	

Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	100		105		110														
Pro	Ala	Pro	Glu	Leu	Ala	Gly	Ala	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro				
	115					120					125								
Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys				
	130					135					140								
Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp				
145					150					155					160				
Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu				
				165					170					175					
Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu				
			180					185					190						
His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn				
	195						200					205							
Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly				
	210					215					220								
Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu				
225					230					235					240				

Phe Phe Thr Tyr Trp Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Arg Arg Arg Trp Thr Ala Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 395

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a HER2 (Ig WT)

<400> 395

Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Ser	Ser	Lys
1				5					10					15	

Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr
			20					25					30		

Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser
		35					40					45			

Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser
	50					55					60				

Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr
65					70					75					80

Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys
				85					90					95	

Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys
			100					105					110		

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Phe Phe Thr Tyr Trp Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr

245

250

255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn

260

265

270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe

275

280

285

Leu Tyr Ser Lys Leu Thr Val Asp Arg Arg Arg Trp Thr Ala Gly Asn

290

295

300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr

305

310

315

320

Gln Lys Ser Leu Ser Leu Ser Pro Gly

325

<210> 396

<211> 498

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x CD19

<400> 396

Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp
20 25 30

Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65 70 75 80

Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr
85 90 95

Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Gly
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
115 120 125

Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser Ser Val
130 135 140

Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr Trp Met
145 150 155 160

Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Gln
165 170 175

Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys Gly
180 185 190

Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr Met Gln
195 200 205

Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg
210 215 220

Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp Tyr Trp
225 230 235 240

Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gln
245 250 255

Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr
260 265 270

Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys Ser
275 280 285

Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp
290 295 300

Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala Ala
305 310 315 320

Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln
325 330 335

Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr
340 345 350

Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln Gly
355 360 365

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
370 375 380

Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala

385		390		395		400									
Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser
				405					410					415	
Gln	Asp	Ile	Asn	Asp	Trp	Leu	Ala	Trp	Tyr	Gln	His	Lys	Pro	Gly	Lys
			420					425					430		
Ala	Pro	Lys	Leu	Leu	Ile	Tyr	Asp	Ala	Ser	Ser	Leu	Glu	Ser	Gly	Val
		435					440					445			
Pro	Leu	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr
	450					455					460				
Ile	Ser	Ser	Leu	Gln	Pro	Asp	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln
465					470					475					480
Lys	Tyr	Ser	Ala	Pro	Gln	Val	Thr	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu
				485					490					495	
Ile Lys															
<210> 397															
<211> 250															

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a CD19

<400> 397

Asp	Ile	Gln	Leu	Thr	Gln	Ser	Pro	Ala	Ser	Leu	Ala	Val	Ser	Leu	Gly
1				5					10					15	

Gln	Arg	Ala	Thr	Ile	Ser	Cys	Lys	Ala	Ser	Gln	Ser	Val	Asp	Tyr	Asp
			20					25					30		

Gly	Asp	Ser	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Ile	Pro	Gly	Gln	Pro	Pro
		35					40						45		

Lys	Leu	Leu	Ile	Tyr	Asp	Ala	Ser	Asn	Leu	Val	Ser	Gly	Ile	Pro	Pro
	50						55					60			

Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Asn	Ile	His
65					70					75				80	

Pro	Val	Glu	Lys	Val	Asp	Ala	Ala	Thr	Tyr	His	Cys	Gln	Gln	Ser	Thr
				85					90					95	

Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Gly
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
115 120 125

Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser Ser Val
130 135 140

Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr Trp Met
145 150 155 160

Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Gln
165 170 175

Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys Gly
180 185 190

Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr Met Gln
195 200 205

Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg
210 215 220

Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp Tyr Trp
225 230 235 240

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
245 250

<210> 398

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HER2 (wt IgG1)

<400> 398

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
290 295 300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Phe
565 570 575

Phe Thr Tyr Trp Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro

580

585

590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn

595

600

605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu

610

615

620

Tyr Ser Lys Leu Thr Val Asp Arg Arg Arg Trp Thr Ala Gly Asn Val

625

630

635

640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln

645

650

655

Lys Ser Leu Ser Leu Ser Pro Gly

660

<210> 399

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x FS1-67 EGFR (wt)

<400> 399

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
290 295 300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu

385		390		395		400									
Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr	Tyr
				405					410					415	
Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Lys
			420						425				430		
Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro
		435						440					445		
Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys
	450					455						460			
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val
465					470					475					480
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr
				485					490					495	
Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu
			500					505					510		
Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His
	515						520					525			

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Thr
565 570 575

Asp Asp Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly

660

<210> 400

<211> 664

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x LEE (wt)

<400> 400

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp

20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly

50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys

195

200

205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro

210

215

220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser

225

230

235

240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln

245

250

255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser

260

265

270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile

275

280

285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val

290

295

300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly

305

310

315

320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala

325

330

335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
565 570 575

Glu Glu Gly Pro Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Thr Tyr Gly Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg Trp Tyr Lys Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly
660

<210> 401

<211> 931

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x FAP alfa

<400> 401

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly

1	5	10	15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp			
	20	25	30
Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile			
	35	40	45
Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly			
	50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro			
65		70	75
			80
Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln			
	85	90	95
Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala			
	100	105	110
Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser			
	115	120	125
Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu			
	130	135	140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
290 295 300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys

530

535

540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln

545

550

555

560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu

565

570

575

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro

580

585

590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn

595

600

605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu

610

615

620

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val

625

630

635

640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln

645

650

655

Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly

660

665

670

Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala
675 680 685

Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Thr Ser
690 695 700

Arg Tyr Thr Phe Thr Glu Tyr Thr Ile His Trp Val Arg Gln Ala Pro
705 710 715 720

Gly Gln Arg Leu Glu Trp Ile Gly Gly Ile Asn Pro Asn Asn Gly Ile
725 730 735

Pro Asn Tyr Asn Gln Lys Phe Lys Gly Arg Val Thr Ile Thr Val Asp
740 745 750

Thr Ser Ala Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu
755 760 765

Asp Thr Ala Val Tyr Tyr Cys Ala Arg Arg Arg Ile Ala Tyr Gly Tyr
770 775 780

Asp Glu Gly His Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
785 790 795 800

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
805 810 815

Gly Ser Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser
820 825 830

Leu Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Leu Leu
835 840 845

Tyr Ser Arg Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro
850 855 860

Gly Gln Pro Pro Lys Leu Leu Ile Phe Trp Ala Ser Thr Arg Glu Ser
865 870 875 880

Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Phe Gly Thr Asp Phe Thr
885 890 895

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys
900 905 910

Gln Gln Tyr Phe Ser Tyr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val
915 920 925

Glu Ile Lys

930

<210> 402

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti-FAP alfa

<400> 402

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Arg Tyr Thr Phe Thr Glu Tyr

20 25 30

Thr Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile

35 40 45

Gly Gly Ile Asn Pro Asn Asn Gly Ile Pro Asn Tyr Asn Gln Lys Phe

50 55 60

Lys Gly Arg Val Thr Ile Thr Val Asp Thr Ser Ala Ser Thr Ala Tyr

65		70		75		80									
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90					95		
Ala	Arg	Arg	Arg	Ile	Ala	Tyr	Gly	Tyr	Asp	Glu	Gly	His	Ala	Met	Asp
			100					105					110		
Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly
		115					120						125		
Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Asp	Ile	Val	Met	Thr
	130					135					140				
Gln	Ser	Pro	Asp	Ser	Leu	Ala	Val	Ser	Leu	Gly	Glu	Arg	Ala	Thr	Ile
145					150					155					160
Asn	Cys	Lys	Ser	Ser	Gln	Ser	Leu	Leu	Tyr	Ser	Arg	Asn	Gln	Lys	Asn
			165						170					175	
Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro	Pro	Lys	Leu	Leu
		180						185					190		
Ile	Phe	Trp	Ala	Ser	Thr	Arg	Glu	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser
	195							200				205			

Gly Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
210 215 220

Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Tyr Phe Ser Tyr Pro
225 230 235 240

Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
245 250

<210> 403

<211> 919

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 x MSLN

<400> 403

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val

290

295

300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
565 570 575

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly
660 665 670

Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Gln Glu Ser Gly Pro
675 680 685

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Ser
690 695 700

Gly Gly Ser Ile Asn Asn Asn Asn Tyr Tyr Trp Thr Trp Ile Arg Gln
705 710 715 720

His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly
725 730 735

Ser Thr Phe Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val
740 745 750

Asp Thr Ser Lys Thr Gln Phe Ser Leu Lys Leu Ser Ser Val Thr Ala
755 760 765

Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Glu Asp Thr Met Thr Gly
770 775 780

Leu Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly
785 790 795 800

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln
805 810 815

Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val

820

825

830

Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Asn Asn Tyr Leu Asn Trp

835

840

845

Tyr Gln Gln Lys Pro Gly Lys Ala Pro Thr Leu Leu Ile Tyr Ala Ala

850

855

860

Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Arg Ser

865

870

875

880

Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe

885

890

895

Ala Ala Tyr Phe Cys Gln Gln Thr Tyr Ser Asn Pro Thr Phe Gly Gln

900

905

910

Gly Thr Lys Val Glu Val Lys

915

<210> 404

<211> 240

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti-MSLN

<400> 404

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Asn Asn Asn
20 25 30

Asn Tyr Tyr Trp Thr Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
35 40 45

Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Thr Gln Phe
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Asp Thr Met Thr Gly Leu Asp Val Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
130 135 140

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
145 150 155 160

Gln Ser Ile Asn Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
165 170 175

Ala Pro Thr Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val
180 185 190

Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly Thr Asp Phe Thr Leu Thr
195 200 205

Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Ala Tyr Phe Cys Gln Gln
210 215 220

Thr Tyr Ser Asn Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys
225 230 235 240

<210> 405

<211> 926

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1xADT1-4-2

<400> 405

Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Lys Gly Val Ser Thr Ser
20 25 30

Gly Tyr Ser Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
35 40 45

Arg Leu Leu Ile Tyr Leu Ala Ser Tyr Leu Glu Ser Gly Val Pro Ala
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
65 70 75 80

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln His Ser Arg

85

90

95

Asp Leu Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg

100

105

110

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln

115

120

125

Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr

130

135

140

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser

145

150

155

160

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr

165

170

175

Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys

180

185

190

His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro

195

200

205

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys Gln Val Gln Leu Val Gln

210

215

220

Ser Gly Val Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys
225 230 235 240

Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr Tyr Met Tyr Trp Val Arg
245 250 255

Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Asn Pro Ser
260 265 270

Asn Gly Gly Thr Asn Phe Asn Glu Lys Phe Lys Asn Arg Val Thr Leu
275 280 285

Thr Thr Asp Ser Ser Thr Thr Thr Ala Tyr Met Glu Leu Lys Ser Leu
290 295 300

Gln Phe Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg Arg Asp Tyr Arg
305 310 315 320

Phe Asp Met Gly Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val
325 330 335

Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser
340 345 350

Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys
355 360 365

Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu
370 375 380

Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu
385 390 395 400

Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr
405 410 415

Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val
420 425 430

Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro
435 440 445

Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe
450 455 460

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
465 470 475 480

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
485 490 495

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
500 505 510

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
515 520 525

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
530 535 540

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
545 550 555 560

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
565 570 575

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
580 585 590

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
595 600 605

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser

610

615

620

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
625 630 635 640

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
645 650 655

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Gly
660 665 670

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Gln
675 680 685

Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr
690 695 700

Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn
705 710 715 720

Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr
725 730 735

Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser
740 745 750

Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln
755 760 765

Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
770 775 780

Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr
785 790 795 800

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
805 810 815

Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser
820 825 830

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn
835 840 845

Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu
850 855 860

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe
865 870 875 880

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
885 890 895

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala
900 905 910

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
915 920 925

<210> 406

<211> 246

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti- PD-1

<400> 406

Gln Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Tyr Met Tyr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Asn Pro Ser Asn Gly Gly Thr Asn Phe Asn Glu Lys Phe
50 55 60

Lys Asn Arg Val Thr Leu Thr Thr Asp Ser Ser Thr Thr Thr Ala Tyr
65 70 75 80

Met Glu Leu Lys Ser Leu Gln Phe Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Arg Asp Tyr Arg Phe Asp Met Gly Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln Ser Pro Ala
130 135 140

Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala
145 150 155 160

Ser Lys Gly Val Ser Thr Ser Gly Tyr Ser Tyr Leu His Trp Tyr Gln

165

170

175

Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Leu Ala Ser Tyr

180

185

190

Leu Glu Ser Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr

195

200

205

Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val

210

215

220

Tyr Tyr Cys Gln His Ser Arg Asp Leu Pro Leu Thr Phe Gly Gly Gly

225

230

235

240

Thr Lys Val Glu Ile Lys

245

<210> 407

<211> 918

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2x 4-1BB

<400> 407

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu Gln Gln Ser Gly Pro
210 215 220

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
225 230 235 240

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
245 250 255

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
260 265 270

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
275 280 285

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
290 295 300

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
305 310 315 320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu

385		390		395		400									
Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr	Tyr
				405					410					415	
Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Lys
			420					425					430		
Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro
		435					440					445			
Ala	Pro	Glu	Leu	Ala	Gly	Ala	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys
	450					455					460				
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val
465					470					475					480
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr
				485					490					495	
Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu
			500					505					510		
Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His
	515						520					525			

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
565 570 575

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly
660 665 670

Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Gln Ser Gly Ala
675 680 685

Glu Val Lys Lys Pro Gly Glu Ser Leu Arg Ile Ser Cys Lys Gly Ser
690 695 700

Gly Tyr Ser Phe Ser Thr Tyr Trp Ile Ser Trp Val Arg Gln Met Pro
705 710 715 720

Gly Lys Gly Leu Glu Trp Met Gly Lys Ile Tyr Pro Gly Asp Ser Tyr
725 730 735

Thr Asn Tyr Ser Pro Ser Phe Gln Gly Gln Val Thr Ile Ser Ala Asp
740 745 750

Lys Ser Ile Ser Thr Ala Tyr Leu Gln Trp Ser Ser Leu Lys Ala Ser
755 760 765

Asp Thr Ala Met Tyr Tyr Cys Ala Arg Gly Tyr Gly Ile Phe Asp Tyr
770 775 780

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
785 790 795 800

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Tyr Glu Leu Thr Gln
805 810 815

Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr Cys
820 825 830

Ser Gly Asp Asn Ile Gly Asp Gln Tyr Ala His Trp Tyr Gln Gln Lys
835 840 845

Pro Gly Gln Ser Pro Val Leu Val Ile Tyr Gln Asp Lys Asn Arg Pro
850 855 860

Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala
865 870 875 880

Thr Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr
885 890 895

Cys Ala Thr Tyr Thr Gly Phe Gly Ser Leu Ala Val Phe Gly Gly Gly
900 905 910

Thr Lys Leu Thr Val Leu

<210> 408

<211> 239

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti- 41BB

<400> 408

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu
1				5					10					15	

Ser	Leu	Arg	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Ser	Thr	Tyr
				20				25					30		

Trp	Ile	Ser	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met
		35					40					45			

Gly	Lys	Ile	Tyr	Pro	Gly	Asp	Ser	Tyr	Thr	Asn	Tyr	Ser	Pro	Ser	Phe
	50						55				60				

Gln	Gly	Gln	Val	Thr	Ile	Ser	Ala	Asp	Lys	Ser	Ile	Ser	Thr	Ala	Tyr
65						70				75					80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Gly Tyr Gly Ile Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser
130 135 140

Pro Gly Gln Thr Ala Ser Ile Thr Cys Ser Gly Asp Asn Ile Gly Asp
145 150 155 160

Gln Tyr Ala His Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu
165 170 175

Val Ile Tyr Gln Asp Lys Asn Arg Pro Ser Gly Ile Pro Glu Arg Phe
180 185 190

Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr
195 200 205

Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Tyr Thr Gly Phe
210 215 220

Gly Ser Leu Ala Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
225 230 235

<210> 409

<211> 918

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 2xOX40

<400> 409

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val

	180		185		190										
Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys
	195						200					205			
Ser	Phe	Asn	Arg	Gly	Glu	Cys	Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro
	210						215					220			
Gly	Leu	Val	Lys	Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser
225						230				235					240
Gly	Asp	Ser	Val	Ser	Ser	Lys	Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln
						245				250				255	
Ser	Pro	Ser	Arg	Gly	Leu	Glu	Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser
						260				265				270	
Lys	Trp	Ser	Thr	Asp	Tyr	Ala	Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile
						275				280				285	
Asn	Pro	Asp	Thr	Ser	Lys	Asn	Gln	Leu	Ser	Leu	Gln	Leu	Asn	Ser	Val
						290						300			
Thr	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Thr	Trp	Val	Gly
305						310						315			320

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
325 330 335

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
340 345 350

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
355 360 365

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
370 375 380

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
385 390 395 400

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
405 410 415

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
420 425 430

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
435 440 445

Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
450 455 460

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
465 470 475 480

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
485 490 495

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
500 505 510

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
515 520 525

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
530 535 540

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
545 550 555 560

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
565 570 575

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
580 585 590

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
595 600 605

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
610 615 620

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
625 630 635 640

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
645 650 655

Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly
660 665 670

Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Gln Ser Gly Ala
675 680 685

Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser
690 695 700

Gly Tyr Thr Phe Thr Asp Ser Tyr Met Ser Trp Val Arg Gln Ala Pro

705		710		715		720									
Gly	Gln	Gly	Leu	Glu	Trp	Ile	Gly	Asp	Met	Tyr	Pro	Asp	Asn	Gly	Asp
				725					730					735	
Ser	Ser	Tyr	Asn	Gln	Lys	Phe	Arg	Glu	Arg	Val	Thr	Ile	Thr	Arg	Asp
			740						745					750	
Thr	Ser	Thr	Ser	Thr	Ala	Tyr	Leu	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu
		755						760					765		
Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Val	Leu	Ala	Pro	Arg	Trp	Tyr	Phe	Ser
	770						775					780			
Val	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly
785						790					795				800
Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr
				805						810				815	
Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile
			820						825					830	
Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Ser	Asn	Tyr	Leu	Asn	Trp	Tyr	Gln
	835							840					845		

Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg
850 855 860

Leu Arg Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr
865 870 875 880

Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr
885 890 895

Tyr Tyr Cys Gln Gln Gly His Thr Leu Pro Pro Thr Phe Gly Gln Gly
900 905 910

Thr Lys Val Glu Ile Lys
915

<210> 410

<211> 239

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti- OX40

<400> 410

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Ser
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Asp Met Tyr Pro Asp Asn Gly Asp Ser Ser Tyr Asn Gln Lys Phe
50 55 60

Arg Glu Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Leu Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Leu Ala Pro Arg Trp Tyr Phe Ser Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
130 135 140

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp
145 150 155 160

Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
165 170 175

Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu Arg Ser Gly Val Pro Ser
180 185 190

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
195 200 205

Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly His
210 215 220

Thr Leu Pro Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
225 230 235

<210> 411

<211> 934

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT x ADT1-4-2

<400> 411

Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Asp	Ser	Leu	Ala	Val	Ser	Leu	Gly
1				5					10					15	

Glu	Arg	Ala	Thr	Ile	Asn	Cys	Lys	Ser	Ser	Gln	Thr	Val	Leu	Tyr	Ser
			20					25					30		

Ser	Asn	Asn	Lys	Lys	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln
			35				40					45			

Pro	Pro	Asn	Leu	Leu	Ile	Tyr	Trp	Ala	Ser	Thr	Arg	Glu	Ser	Gly	Val
			50				55				60				

Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr
65					70					75				80	

Ile	Ser	Ser	Leu	Gln	Ala	Glu	Asp	Val	Ala	Val	Tyr	Tyr	Cys	Gln	Gln
				85					90					95	

Tyr	Tyr	Ser	Thr	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys	Val	Glu	Ile
				100				105					110		

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
115 120 125

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
130 135 140

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
145 150 155 160

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
165 170 175

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
180 185 190

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
195 200 205

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys Glu Val Gln Leu
210 215 220

Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu
225 230 235 240

Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn Ser Ala Ala Trp
245 250 255

Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Lys
260 265 270

Thr Tyr Tyr Arg Phe Lys Trp Tyr Ser Asp Tyr Ala Val Ser Val Lys
275 280 285

Gly Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Phe Ser Leu
290 295 300

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Phe Tyr Cys Thr
305 310 315 320

Arg Glu Ser Thr Thr Tyr Asp Leu Leu Ala Gly Pro Phe Asp Tyr Trp
325 330 335

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro
340 345 350

Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr
355 360 365

Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr
370 375 380

Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro
385 390 395 400

Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr
405 410 415

Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn
420 425 430

His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser
435 440 445

Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala
450 455 460

Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
465 470 475 480

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
485 490 495

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu

500

505

510

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr

515

520

525

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn

530

535

540

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro

545

550

555

560

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln

565

570

575

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val

580

585

590

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val

595

600

605

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro

610

615

620

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr

625

630

635

640

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
645 650 655

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
660 665 670

Ser Pro Gly Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
675 680 685

Gly Gly Ser Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys
690 695 700

Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val
705 710 715 720

Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg
725 730 735

Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr
740 745 750

Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr
755 760 765

Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp
770 775 780

Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg
785 790 795 800

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
805 810 815

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln
820 825 830

Ser Pro Pro Ala Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr
835 840 845

Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp Leu Ala Trp Tyr Gln His
850 855 860

Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Asp Ala Ser Ser Leu
865 870 875 880

Glu Ser Gly Val Pro Leu Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu
885 890 895

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr
900 905 910

Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln Val Thr Phe Gly Gln Gly
915 920 925

Thr Arg Leu Glu Ile Lys
930

<210> 412

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti-TIGIT

<400> 412

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu

35

40

45

Trp Leu Gly Lys Thr Tyr Tyr Arg Phe Lys Trp Tyr Ser Asp Tyr Ala
50 55 60

Val Ser Val Lys Gly Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Phe Tyr Cys Thr Arg Glu Ser Thr Thr Tyr Asp Leu Leu Ala Gly Pro
100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile
130 135 140

Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg
145 150 155 160

Ala Thr Ile Asn Cys Lys Ser Ser Gln Thr Val Leu Tyr Ser Ser Asn
165 170 175

Asn Lys Lys Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
180 185 190

Asn Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val Pro Asp
195 200 205

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
210 215 220

Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Tyr Tyr
225 230 235 240

Ser Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Glu Ile Lys
245 250 255

<210> 413

<211> 243

<212> PRT

<213> Homo sapiens

<220>

<223> Módulo de unión a scFv anti- VD1

<400> 413

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Pro
130 135 140

Ala Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
145 150 155 160

Ser Gln Asp Ile Asn Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly
180 185 190

Val Pro Leu Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu
195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
210 215 220

Gln Lys Tyr Ser Ala Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu
225 230 235 240

Glu Ile Lys

<210> 414

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 LC

<400> 414

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 415

<211> 716

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC + FAPa scFv

<400> 415

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp

210		215		220															
Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly				
225					230					235					240				
Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile				
				245					250					255					
Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu				
			260					265					270						
Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His				
		275					280					285							
Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg				
	290					295						300							
Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys				
305					310					315					320				
Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu				
				325					330					335					
Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr				
			340					345						350					

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
450 455 460

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
465 470 475 480

Ser Val Lys Val Ser Cys Lys Thr Ser Arg Tyr Thr Phe Thr Glu Tyr
485 490 495

Thr Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
500 505 510

Gly Gly Ile Asn Pro Asn Asn Gly Ile Pro Asn Tyr Asn Gln Lys Phe
515 520 525

Lys Gly Arg Val Thr Ile Thr Val Asp Thr Ser Ala Ser Thr Ala Tyr
530 535 540

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
545 550 555 560

Ala Arg Arg Arg Ile Ala Tyr Gly Tyr Asp Glu Gly His Ala Met Asp
565 570 575

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
580 585 590

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr
595 600 605

Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile
610 615 620

Asn Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser Arg Asn Gln Lys Asn
625 630 635 640

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu
645 650 655

Ile Phe Trp Ala Ser Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Ser
660 665 670

Gly Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
675 680 685

Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Tyr Phe Ser Tyr Pro
690 695 700

Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
705 710 715

<210> 416

<211> 704

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC + MSLN scFv

<400> 416

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
450 455 460

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
465 470 475 480

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Asn Asn Asn
485 490 495

Asn Tyr Tyr Trp Thr Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu

	500		505		510										
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Phe	Tyr	Asn	Pro	Ser
	515						520					525			
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Thr	Gln	Phe
	530						535					540			
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
545					550					555					560
Cys	Ala	Arg	Glu	Asp	Thr	Met	Thr	Gly	Leu	Asp	Val	Trp	Gly	Gln	Gly
				565					570					575	
Thr	Thr	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly
			580						585					590	
Ser	Gly	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser
	595						600					605			
Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser
	610						615					620			
Gln	Ser	Ile	Asn	Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys
625					630					635					640

Ala Pro Thr Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val
645 650 655

Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly Thr Asp Phe Thr Leu Thr
660 665 670

Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Ala Tyr Phe Cys Gln Gln
675 680 685

Thr Tyr Ser Asn Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys
690 695 700

<210> 417

<211> 708

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 HC + ADT1-4-2 scFv

<400> 417

Gln Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Tyr Met Tyr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Asn Pro Ser Asn Gly Gly Thr Asn Phe Asn Glu Lys Phe
50 55 60

Lys Asn Arg Val Thr Leu Thr Thr Asp Ser Ser Thr Thr Thr Ala Tyr
65 70 75 80

Met Glu Leu Lys Ser Leu Gln Phe Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Arg Asp Tyr Arg Phe Asp Met Gly Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His

275

280

285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg

290

295

300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys

305

310

315

320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu

325

330

335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

340

345

350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu

355

360

365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp

370

375

380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val

385

390

395

400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp

405

410

415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
450 455 460

Ser Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser
465 470 475 480

Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser
485 490 495

Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu
500 505 510

Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr
515 520 525

Ala Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys
530 535 540

Asn Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala
545 550 555 560

Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly
565 570 575

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
580 585 590

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
595 600 605

Pro Ala Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
610 615 620

Ala Ser Gln Asp Ile Asn Asp Trp Leu Ala Trp Tyr Gln His Lys Pro
625 630 635 640

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser
645 650 655

Gly Val Pro Leu Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
660 665 670

Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys
675 680 685

Gln Gln Lys Tyr Ser Ala Pro Gln Val Thr Phe Gly Gln Gly Thr Arg
690 695 700

Leu Glu Ile Lys
705

<210> 418
<211> 703
<212> PRT
<213> Homo sapiens

<220>

<223> ADT1-4-2 HC + 4-1BB scFv

<400> 418

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu

35

40

45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
450 455 460

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
465 470 475 480

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Ser Thr Tyr
485 490 495

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
500 505 510

Gly Lys Ile Tyr Pro Gly Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
515 520 525

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
530 535 540

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
545 550 555 560

Ala Arg Gly Tyr Gly Ile Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val

565

570

575

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly

580

585

590

Gly Gly Ser Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser

595

600

605

Pro Gly Gln Thr Ala Ser Ile Thr Cys Ser Gly Asp Asn Ile Gly Asp

610

615

620

Gln Tyr Ala His Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu

625

630

635

640

Val Ile Tyr Gln Asp Lys Asn Arg Pro Ser Gly Ile Pro Glu Arg Phe

645

650

655

Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr

660

665

670

Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Tyr Thr Gly Phe

675

680

685

Gly Ser Leu Ala Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu

690

695

700

<210> 419
<211> 703
<212> PRT
<213> Homo sapiens

<220>

<223> ADT1-4-2 HC + OX40 scFv

<400> 419

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50						55				60				

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75				80	

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

					340					345						350	
Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu		
			355					360					365				
Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp		
	370						375					380					
Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val		
385					390					395					400		
Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp		
				405					410					415			
Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His		
			420					425					430				
Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro		
		435						440					445				
Gly	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser		
	450						455					460					
Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala		
465					470						475				480		

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Ser
485 490 495

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
500 505 510

Gly Asp Met Tyr Pro Asp Asn Gly Asp Ser Ser Tyr Asn Gln Lys Phe
515 520 525

Arg Glu Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Ser Thr Ala Tyr
530 535 540

Leu Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
545 550 555 560

Val Leu Ala Pro Arg Trp Tyr Phe Ser Val Trp Gly Gln Gly Thr Leu
565 570 575

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
580 585 590

Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
595 600 605

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp
610 615 620

Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
625 630 635 640

Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu Arg Ser Gly Val Pro Ser
645 650 655

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
660 665 670

Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly His
675 680 685

Thr Leu Pro Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
690 695 700

<210> 420

<211> 714

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT HC + ADT1-4-2 scFv

<400> 420

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Lys Thr Tyr Tyr Arg Phe Lys Trp Tyr Ser Asp Tyr Ala
50 55 60

Val Ser Val Lys Gly Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Phe Tyr Cys Thr Arg Glu Ser Thr Thr Tyr Asp Leu Leu Ala Gly Pro
100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser

115

120

125

Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr

130

135

140

Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro

145

150

155

160

Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val

165

170

175

His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser

180

185

190

Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile

195

200

205

Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val

210

215

220

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala

225

230

235

240

Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro

245

250

255

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
260 265 270

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
275 280 285

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
290 295 300

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
305 310 315 320

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
325 330 335

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
340 345 350

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
355 360 365

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
370 375 380

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
385 390 395 400

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
405 410 415

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
420 425 430

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
435 440 445

Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly Gly Gly Ser Gly Gly Gly
450 455 460

Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Gln Gln Ser Gly Pro
465 470 475 480

Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Ala Ile Ser
485 490 495

Gly Asp Ser Val Ser Ser Lys Ser Ala Ala Trp Asn Trp Ile Arg Gln
500 505 510

Ser Pro Ser Arg Gly Leu Glu Trp Leu Gly Arg Thr Tyr Tyr Arg Ser
515 520 525

Lys Trp Ser Thr Asp Tyr Ala Ala Ser Val Lys Ser Arg Ile Thr Ile
530 535 540

Asn Pro Asp Thr Ser Lys Asn Gln Leu Ser Leu Gln Leu Asn Ser Val
545 550 555 560

Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Thr Trp Val Gly
565 570 575

Tyr Val Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
580 585 590

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile
595 600 605

Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly Asp Arg
610 615 620

Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp Leu Ala
625 630 635 640

Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Asp

645

650

655

Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly Ser Gly

660

665

670

Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp

675

680

685

Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln Val Thr

690

695

700

Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys

705

710

<210> 421

<211> 217

<212> PRT

<213> Homo sapiens

<220>

<223> G04 LC

<400> 421

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser

1

5

10

15

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn
20 25 30

Asp Trp Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Pro Gln Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr
100 105 110

Ala Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
180 185 190

Lys Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
195 200 205

Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 422

<211> 714

<212> PRT

<213> Homo sapiens

<220>

<223> G04 HC + CD19 scFv

<400> 422

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ser Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala

130

135

140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser

145

150

155

160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val

165

170

175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro

180

185

190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys

195

200

205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp

210

215

220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala

225

230

235

240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile

245

250

255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu

260

265

270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
450 455 460

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser
465 470 475 480

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr
485 490 495

Trp Met Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
500 505 510

Gly Gln Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe
515 520 525

Lys Gly Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr
530 535 540

Met Gln Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys
545 550 555 560

Ala Arg Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp
565 570 575

Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly
580 585 590

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu Thr
595 600 605

Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala Thr Ile
610 615 620

Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Leu
625 630 635 640

Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr
645 650 655

Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro Arg Phe Ser Gly Ser

660

665

670

Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro Val Glu Lys Val

675

680

685

Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr Glu Asp Pro Trp Thr

690

695

700

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys

705

710

<210> 423

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<223> E07 LC

<400> 423

Ala Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser

1

5

10

15

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Gly Gln Ser Ile Gly

20

25

30

Thr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Val Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe
50 55 60

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu
65 70 75 80

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
85 90 95

Leu Leu Thr Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg Thr Ala
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
180 185 190

Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 424

<211> 712

<212> PRT

<213> Homo sapiens

<220>

<223> E07 HC + CD19 scFv

<400> 424

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Asp Tyr Ala Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
115 120 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn

145		150		155		160
Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln						
	165		170		175	
Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser						
	180		185		190	
Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser						
	195		200		205	
Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr						
	210		215		220	
His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser						
225		230		235		240
Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg						
	245		250		255	
Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro						
	260		265		270	
Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala						
	275		280		285	

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly
435 440 445

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
450 455 460

Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser Ser Val
465 470 475 480

Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr Trp Met
485 490 495

Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Gln
500 505 510

Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys Gly
515 520 525

Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr Met Gln
530 535 540

Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg
545 550 555 560

Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp Tyr Trp
565 570 575

Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
580 585 590

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu Thr Gln Ser
595 600 605

Pro Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys
610 615 620

Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Leu Asn Trp
625 630 635 640

Tyr Gln Gln Ile Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Asp Ala
645 650 655

Ser Asn Leu Val Ser Gly Ile Pro Pro Arg Phe Ser Gly Ser Gly Ser
660 665 670

Gly Thr Asp Phe Thr Leu Asn Ile His Pro Val Glu Lys Val Asp Ala

675

680

685

Ala Thr Tyr His Cys Gln Gln Ser Thr Glu Asp Pro Trp Thr Phe Gly

690

695

700

Gly Gly Thr Lys Leu Glu Ile Lys

705

710

<210> 425

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<223> C08 LC

<400> 425

Ala Ser Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro

1

5

10

15

Gly Lys Thr Ala Arg Ile Thr Cys Gly Gly Asn Asn Ile Gly Ser Gln

20

25

30

Ser Val His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Met Leu Val

35

40

45

Ile Tyr Tyr Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser
50 55 60

Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu
65 70 75 80

Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Ser Ser
85 90 95

Asp His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

Pro Ala Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr
130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys
145 150 155 160

Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr
165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His
180 185 190

Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys
195 200 205

Thr Val Ala Pro Thr Glu Cys Ser
210 215

<210> 426

<211> 446

<212> PRT

<213> Homo sapiens

<220>

<223> C08 HC (LAGA) EGFR FS1-67

<400> 426

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Ser Pro Ile Glu Leu Gly Ala Phe Asp Ile Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu
115 120 125

Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys
130 135 140

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser
145 150 155 160

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
165 170 175

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
180 185 190

Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
195 200 205

Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His
210 215 220

Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val
225 230 235 240

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
245 250 255

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
260 265 270

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
275 280 285

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser

290

295

300

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305 310 315 320

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
325 330 335

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
340 345 350

Pro Ser Arg Asp Glu Thr Asp Asp Gly Pro Val Ser Leu Thr Cys Leu
355 360 365

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Thr
370 375 380

Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
385 390 395 400

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp Arg
405 410 415

Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
420 425 430

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
435 440 445

<210> 427

<211> 447

<212> PRT

<213> Homo sapiens

<220>

<223> E07 HC (LAGA) EGFR FS1-67

<400> 427

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Asp Tyr Ala Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
115 120 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145 150 155 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
165 170 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
180 185 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
195 200 205

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
210 215 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser
225 230 235 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
245 250 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
260 265 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr

325

330

335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu

340

345

350

Pro Pro Ser Arg Asp Glu Thr Asp Asp Gly Pro Val Ser Leu Thr Cys

355

360

365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser

370

375

380

Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp

385

390

395

400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser Tyr Trp

405

410

415

Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala

420

425

430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly

435

440

445

<210> 428

<211> 702

<212> PRT

<213> Homo sapiens

<220>

<223> C08 HC + EGFR scFv

<400> 428

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Arg
1			5					10					15		

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Val	Ser	Ser	Asn
			20					25					30		

Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Val	Ile	Tyr	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
	50					55					60				

Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr	Leu
65					70					75				80	

Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Ser Pro Ile Glu Leu Gly Ala Phe Asp Ile Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu
115 120 125

Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys
130 135 140

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser
145 150 155 160

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
165 170 175

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
180 185 190

Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
195 200 205

Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His
210 215 220

Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val
225 230 235 240

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
245 250 255

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
260 265 270

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
275 280 285

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
290 295 300

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305 310 315 320

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
325 330 335

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
340 345 350

Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu

355

360

365

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
370 375 380

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
385 390 395 400

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
405 410 415

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
420 425 430

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly
435 440 445

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val Gln
450 455 460

Leu Lys Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln Ser Leu Ser
465 470 475 480

Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr Gly Val His
485 490 495

Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu Gly Val Ile
500 505 510

Trp Ser Gly Gly Asn Thr Asp Tyr Asn Thr Pro Phe Thr Ser Arg Leu
515 520 525

Ser Ile Asn Lys Asp Asn Ser Lys Ser Gln Val Phe Phe Lys Met Asn
530 535 540

Ser Leu Gln Ser Asn Asp Thr Ala Ile Tyr Tyr Cys Ala Arg Ala Leu
545 550 555 560

Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val
565 570 575

Thr Val Ser Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
580 585 590

Gly Gly Ser Asp Ile Leu Leu Thr Gln Ser Pro Val Ile Leu Ser Val
595 600 605

Ser Pro Gly Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Ser Ile
610 615 620

Gly Thr Asn Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg
625 630 635 640

Leu Leu Ile Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser Arg
645 650 655

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Ser
660 665 670

Val Glu Ser Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Asn Asn Asn
675 680 685

Trp Pro Thr Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
690 695 700

<210> 429

<211> 705

<212> PRT

<213> Homo sapiens

<220>

<223> G04 HC + EGFR scFv

<400> 429

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ser Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala

130

135

140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser

145

150

155

160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val

165

170

175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro

180

185

190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys

195

200

205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp

210

215

220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala

225

230

235

240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile

245

250

255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu

260

265

270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
450 455 460

Gln Val Gln Leu Lys Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln
465 470 475 480

Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr
485 490 495

Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu
500 505 510

Gly Val Ile Trp Ser Gly Gly Asn Thr Asp Tyr Asn Thr Pro Phe Thr
515 520 525

Ser Arg Leu Ser Ile Asn Lys Asp Asn Ser Lys Ser Gln Val Phe Phe
530 535 540

Lys Met Asn Ser Leu Gln Ser Asn Asp Thr Ala Ile Tyr Tyr Cys Ala
545 550 555 560

Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly
565 570 575

Thr Leu Val Thr Val Ser Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly
580 585 590

Ser Gly Gly Gly Gly Ser Asp Ile Leu Leu Thr Gln Ser Pro Val Ile
595 600 605

Leu Ser Val Ser Pro Gly Glu Arg Val Ser Phe Ser Cys Arg Ala Ser
610 615 620

Gln Ser Ile Gly Thr Asn Ile His Trp Tyr Gln Gln Arg Thr Asn Gly
625 630 635 640

Ser Pro Arg Leu Leu Ile Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile
645 650 655

Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser

660

665

670

Ile Asn Ser Val Glu Ser Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln

675

680

685

Asn Asn Asn Trp Pro Thr Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu

690

695

700

Lys

705

<210> 430

<211> 703

<212> PRT

<213> Homo sapiens

<220>

<223> E07 HC + EGFR scFv

<400> 430

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly

1

5

10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20

25

30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Asp Tyr Ala Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
115 120 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145 150 155 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
165 170 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
180 185 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
195 200 205

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
210 215 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser
225 230 235 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
245 250 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
260 265 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala

420

425

430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly

435

440

445

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val

450

455

460

Gln Leu Lys Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln Ser Leu

465

470

475

480

Ser Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr Gly Val

485

490

495

His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu Gly Val

500

505

510

Ile Trp Ser Gly Gly Asn Thr Asp Tyr Asn Thr Pro Phe Thr Ser Arg

515

520

525

Leu Ser Ile Asn Lys Asp Asn Ser Lys Ser Gln Val Phe Phe Lys Met

530

535

540

Asn Ser Leu Gln Ser Asn Asp Thr Ala Ile Tyr Tyr Cys Ala Arg Ala

545

550

555

560

Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly Thr Leu
565 570 575

Val Thr Val Ser Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
580 585 590

Gly Gly Gly Ser Asp Ile Leu Leu Thr Gln Ser Pro Val Ile Leu Ser
595 600 605

Val Ser Pro Gly Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Ser
610 615 620

Ile Gly Thr Asn Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro
625 630 635 640

Arg Leu Leu Ile Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser
645 650 655

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn
660 665 670

Ser Val Glu Ser Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Asn Asn
675 680 685

Asn Trp Pro Thr Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
690 695 700

<210> 431

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (LAGA) EGFR FS1-67

<400> 431

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys

195

200

205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Asp Glu Thr Asp Asp Gly Pro Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser
405 410 415

Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 432

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (LAGA) EGFR LEE

<400> 432

Glu	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
1				5					10					15	

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Lys
			20					25					30		

Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu
		35					40					45			

Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Ser	Thr	Asp	Tyr	Ala
	50					55					60				

Ala	Ser	Val	Lys	Ser	Arg	Ile	Thr	Ile	Asn	Pro	Asp	Thr	Ser	Lys	Asn
65					70					75				80	

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp

210

215

220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala

225

230

235

240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile

245

250

255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu

260

265

270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His

275

280

285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg

290

295

300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys

305

310

315

320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu

325

330

335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

340

345

350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Glu Glu Gly Pro Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser
405 410 415

Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 433

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (LAGA) HER2 Fcab

<400> 433

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala

225		230		235		240									
Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile
				245					250					255	
Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu
			260					265					270		
Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His
		275					280					285			
Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg
	290					295						300			
Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys
305					310					315					320
Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu
				325					330					335	
Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr
			340					345					350		
Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Phe	Phe	Thr	Tyr	Trp	Val	Ser	Leu
		355					360					365			

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Arg Arg Arg Trp Thr Ala Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 434

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (wt) HER2 Fcab

<400> 434

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile

					245						250					255
Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	
			260					265					270			
Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	
		275					280					285				
Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	
	290					295						300				
Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	
305				310						315				320		
Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	
				325					330					335		
Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	
			340					345					350			
Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Phe	Phe	Thr	Tyr	Trp	Val	Ser	Leu	
		355					360					365				
Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	
	370						375				380					

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Arg Arg Arg Trp Thr Ala Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 435

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (wt) EGFR FS1-67

<400> 435

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu

260		265		270											
Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His
	275						280						285		
Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg
	290						295						300		
Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys
305						310					315				320
Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu
				325					330					335	
Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr
			340					345					350		
Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Thr	Asp	Asp	Gly	Pro	Val	Ser	Leu
	355						360					365			
Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp
	370					375					380				
Glu	Ser	Thr	Tyr	Gly	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val
385					390					395					400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser
405 410 415

Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 436

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 HC (wt) EGFR LEE

<400> 436

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Val Gly Tyr Val Asp Arg Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His

275

280

285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg

290

295

300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys

305

310

315

320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu

325

330

335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

340

345

350

Thr Leu Pro Pro Ser Arg Asp Glu Leu Glu Glu Gly Pro Val Ser Leu

355

360

365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp

370

375

380

Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val

385

390

395

400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser

405

410

415

Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 437

<211> 449

<212> PRT

<213> Homo sapiens

<220>

<223> G04 HC (LAGA) EGFR FS1-67

<400> 437

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Lys
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Ser Thr Asp Tyr Ala
50 55 60

Ala Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Leu Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Thr Trp Ser Gly Tyr Val Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
210 215 220

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Ala Gly Ala
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg

290

295

300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys

305

310

315

320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu

325

330

335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

340

345

350

Thr Leu Pro Pro Ser Arg Asp Glu Thr Asp Asp Gly Pro Val Ser Leu

355

360

365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp

370

375

380

Glu Ser Thr Tyr Gly Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val

385

390

395

400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Ser

405

410

415

Tyr Trp Arg Trp Tyr Lys Gly Asn Val Phe Ser Cys Ser Val Met His

420

425

430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly

<210> 438
<211> 218
<212> PRT
<213> Homo sapiens

<220>

<223> PD-1 LC

<400> 438

Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Lys Gly Val Ser Thr Ser
20 25 30

Gly Tyr Ser Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
35 40 45

Arg Leu Leu Ile Tyr Leu Ala Ser Tyr Leu Glu Ser Gly Val Pro Ala
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
65 70 75 80

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln His Ser Arg
85 90 95

Asp Leu Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105 110

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
115 120 125

Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
130 135 140

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
145 150 155 160

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
165 170 175

Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
180 185 190

His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
195 200 205

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 439

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT LC

<400> 439

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Thr Val Leu Tyr Ser
20 25 30

Ser Asn Asn Lys Lys Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln

35

40

45

Pro Pro Asn Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

50

55

60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr

65

70

75

80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln

85

90

95

Tyr Tyr Ser Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Glu Ile

100

105

110

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp

115

120

125

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn

130

135

140

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu

145

150

155

160

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp

165

170

175

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
180 185 190

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
195 200 205

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215 220

<210> 440

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 VH

<400> 440

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr
20 25 30

Trp Met Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Gln Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Ala Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Arg Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 441

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 VL

<400> 441

Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp
20 25 30

Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65 70 75 80

Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr
85 90 95

Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 442

<211> 8
<212> PRT
<213> Homo sapiens

<220>

<223> CD19 HCDR1

<400> 442

Gly Tyr Ala Phe Ser Ser Tyr Trp
1 5

<210> 443
<211> 8
<212> PRT
<213> Homo sapiens

<220>

<223> CD19 HCDR2

<400> 443

Ile Trp Pro Gly Asp Gly Asp Thr
1 5

<210> 444
<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 HCDR3

<400> 444

Ala Arg Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp

1

5

10

15

Tyr

<210> 445

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 LCDR1

<400> 445

Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr

1

5

10

<210> 446

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 LCDR2

<400> 446

Asp Ala

1

<210> 447

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> CD19 LCDR3

<400> 447

Gln Gln Ser Thr Glu Asp Pro Trp Thr

1

5

<210> 448

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR VH

<400> 448

Gln Val Gln Leu Lys Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln
1 5 10 15

Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr
20 25 30

Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu
35 40 45

Gly Val Ile Trp Ser Gly Gly Asn Thr Asp Tyr Asn Thr Pro Phe Thr
50 55 60

Ser Arg Leu Ser Ile Asn Lys Asp Asn Ser Lys Ser Gln Val Phe Phe
65 70 75 80

Lys Met Asn Ser Leu Gln Ser Asn Asp Thr Ala Ile Tyr Tyr Cys Ala

85

90

95

Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly

100

105

110

Thr Leu Val Thr Val Ser

115

<210> 449

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR VL

<400> 449

Asp Ile Leu Leu Thr Gln Ser Pro Val Ile Leu Ser Val Ser Pro Gly

1

5

10

15

Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Ser Ile Gly Thr Asn

20

25

30

Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile

35

40

45

Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Ser
65 70 75 80

Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr
85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105

<210> 450

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR HCDR1

<400> 450

Gly Phe Ser Leu Thr Asn Tyr Gly
1 5

<210> 451

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR HCDR2

<400> 451

Ile Trp Ser Gly Gly Asn Thr

1 5

<210> 452

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR HCDR3

<400> 452

Ala Arg Ala Leu Thr Tyr Tyr Asp Tyr Glu Phe Ala Tyr

1 5 10

<210> 453
<211> 11
<212> PRT
<213> Homo sapiens

<220>

<223> EGFR LCDR1

<400> 453

Arg	Ala	Ser	Gln	Ser	Ile	Gly	Thr	Asn	Ile	His
1				5					10	

<210> 454
<211> 7
<212> PRT
<213> Homo sapiens

<220>

<223> EGFR LCDR2

<400> 454

Tyr	Ala	Ser	Glu	Ser	Ile	Ser
1				5		

<210> 455

<211> 9
<212> PRT
<213> Homo sapiens

<220>

<223> EGFR LCDR3

<400> 455

Gln Gln Asn Asn Asn Trp Pro Thr Thr
1 5

<210> 456
<211> 124
<212> PRT
<213> Homo sapiens

<220>

<223> FAPa VH

<400> 456

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Arg Tyr Thr Phe Thr Glu Tyr
20 25 30

Thr Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Gly Ile Asn Pro Asn Asn Gly Ile Pro Asn Tyr Asn Gln Lys Phe
50 55 60

Lys Gly Arg Val Thr Ile Thr Val Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Arg Arg Ile Ala Tyr Gly Tyr Asp Glu Gly His Ala Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 457

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa VL

<400> 457

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
20 25 30

Arg Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Phe Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Phe Ser Tyr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 458

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa HCDR1

<400> 458

Arg Tyr Thr Phe Thr Glu Tyr Thr

1

5

<210> 459

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa HCDR2

<400> 459

Ile Asn Pro Asn Asn Gly Ile Pro

1

5

<210> 460

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa HCDR3

<400> 460

Ala Arg Arg Arg Ile Ala Tyr Gly Tyr Asp Glu Gly His Ala Met Asp

1

5

10

15

Tyr

<210> 461

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa LCDR1

<400> 461

Lys Ser Ser Gln Ser Leu Leu Tyr Ser Arg Asn Gln Lys Asn Tyr Leu
1 5 10 15

Ala

<210> 462

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa LCDR2

<400> 462

Trp Ala Ser Thr Arg Glu Ser
1 5

<210> 463

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> FAPa LCDR3

<400> 463

Gln Gln Tyr Phe Ser Tyr Pro Leu Thr
1 5

<210> 464

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN VH

<400> 464

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Asn Asn Asn
20 25 30

Asn Tyr Tyr Trp Thr Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
35 40 45

Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Thr Gln Phe
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Asp Thr Met Thr Gly Leu Asp Val Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 465

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN VL

<400> 465

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly

1	5	10	15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Asn Asn Tyr			
	20	25	30
Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Thr Leu Leu Ile			
	35	40	45
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly			
50	55	60	
Ser Arg Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro			
65	70	75	80
Glu Asp Phe Ala Ala Tyr Phe Cys Gln Gln Thr Tyr Ser Asn Pro Thr			
	85	90	95
Phe Gly Gln Gly Thr Lys Val Glu Val Lys			
	100	105	

<210> 466

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN HCDR1

<400> 466

Gly	Gly	Ser	Ile	Asn	Asn	Asn	Asn	Tyr	Tyr
1				5					10

<210> 467

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN HCDR2

<400> 467

Ile	Tyr	Tyr	Ser	Gly	Ser	Thr
1				5		

<210> 468

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> EGFR HCDR3

<400> 468

Ala Arg Glu Asp Thr Met Thr Gly Leu Asp Val
1 5 10

<210> 469

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN LCDR1

<400> 469

Gln Ser Ile Asn Asn Tyr
1 5

<210> 470

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN LCDR2

<400> 470

Ala Ala

1

<210> 471

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> MSLN LCDR3

<400> 471

Gln Gln Thr Tyr Ser Asn Pro Thr

1

5

<210> 472

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 VH

<400> 472

Gln Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Tyr Met Tyr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Asn Pro Ser Asn Gly Gly Thr Asn Phe Asn Glu Lys Phe
50 55 60

Lys Asn Arg Val Thr Leu Thr Thr Asp Ser Ser Thr Thr Thr Ala Tyr
65 70 75 80

Met Glu Leu Lys Ser Leu Gln Phe Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Arg Asp Tyr Arg Phe Asp Met Gly Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 473
<211> 111
<212> PRT
<213> Homo sapiens

<220>

<223> PD-1 VL

<400> 473

Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Leu	Ser	Pro	Gly
1				5					10					15	

Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Lys	Gly	Val	Ser	Thr	Ser
				20				25					30		

Gly	Tyr	Ser	Tyr	Leu	His	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro
		35					40					45			

Arg	Leu	Leu	Ile	Tyr	Leu	Ala	Ser	Tyr	Leu	Glu	Ser	Gly	Val	Pro	Ala
		50				55					60				

Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser
65					70					75				80	

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln His Ser Arg
85 90 95

Asp Leu Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 474

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 HCDR1

<400> 474

Gly Tyr Thr Phe Thr Asn Tyr Tyr
1 5

<210> 475

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 HCDR2

<400> 475

Ile Asn Pro Ser Asn Gly Gly Thr

1 5

<210> 476

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 HCDR3

<400> 476

Ala Arg Arg Asp Tyr Arg Phe Asp Met Gly Phe Asp Tyr

1 5 10

<210> 477

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 LCDR1

<400> 477

Lys Gly Val Ser Thr Ser Gly Tyr Ser Tyr

1 5 10

<210> 478

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 LCDR2

<400> 478

Leu Ala

1

<210> 479

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> PD-1 LCDR3

<400> 479

Gln His Ser Arg Asp Leu Pro Leu Thr
1 5

<210> 480

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB VH

<400> 480

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Ser Thr Tyr
20 25 30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Lys Ile Tyr Pro Gly Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Gly Tyr Gly Ile Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 481
<211> 107
<212> PRT
<213> Homo sapiens

<220>

<223> 4-1BB VL

<400> 481

Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr
1 5 10 15

Ala Ser Ile Thr Cys Ser Gly Asp Asn Ile Gly Asp Gln Tyr Ala His
20 25 30

Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr Gln
35 40 45

Asp Lys Asn Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn
50 55 60

Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met Asp
65 70 75 80

Glu Ala Asp Tyr Tyr Cys Ala Thr Tyr Thr Gly Phe Gly Ser Leu Ala
85 90 95

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 482

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB HCDR1

<400> 482

Gly Tyr Ser Phe Ser Thr Tyr Trp

1 5

<210> 483

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB HCDR2

<400> 483

Ile Tyr Pro Gly Asp Ser Tyr Thr

1 5

<210> 484

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB HCDR3

<400> 484

Ala Arg Gly Tyr Gly Ile Phe Asp Tyr
1 5

<210> 485

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB LCDR1

<400> 485

Ser Gly Asp Asn Ile Gly Asp Gln Tyr Ala His
1 5 10

<210> 486

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB LCDR2

<400> 486

Gln Asp Lys Asn Arg Pro Ser

1 5

<210> 487

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> 4-1BB LCDR3

<400> 487

Ala Thr Tyr Thr Gly Phe Gly Ser Leu Ala Val

1 5 10

<210> 488

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 VH

<400> 488

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Ser
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Asp Met Tyr Pro Asp Asn Gly Asp Ser Ser Tyr Asn Gln Lys Phe
50 55 60

Arg Glu Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Leu Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Leu Ala Pro Arg Trp Tyr Phe Ser Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 489

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 VL

<400> 489

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Ser	Asn	Tyr
			20					25					30		

Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Tyr	Thr	Ser	Arg	Leu	Arg	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	

Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Gly	His	Thr	Leu	Pro	Pro
				85					90				95		

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 490

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 HCDR1

<400> 490

Gly Tyr Thr Phe Thr Asp Ser Tyr
1 5

<210> 491

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 HCDR2

<400> 491

Met Tyr Pro Asp Asn Gly Asp Ser

1

5

<210> 492

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 HCDR3

<400> 492

Val Leu Ala Pro Arg Trp Tyr Phe Ser Val

1

5

10

<210> 493

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 LCDR1

<400> 493

Gln Asp Ile Ser Asn Tyr

1

5

<210> 494

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 LCDR2

<400> 494

Tyr Thr

1

<210> 495

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> OX40 LCDR3

<400> 495

Gln Gln Gly His Thr Leu Pro Pro Thr

1 5

<210> 496

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT VH

<400> 496

Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
35 40 45

Trp Leu Gly Lys Thr Tyr Tyr Arg Phe Lys Trp Tyr Ser Asp Tyr Ala
50 55 60

Val Ser Val Lys Gly Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Phe Tyr Cys Thr Arg Glu Ser Thr Thr Tyr Asp Leu Leu Ala Gly Pro
100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 497

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT VL

<400> 497

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Thr Val Leu Tyr Ser
20 25 30

Ser Asn Asn Lys Lys Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Asn Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ser Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Glu Ile
100 105 110

Lys

<210> 498

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT HCDR1

<400> 498

Gly Asp Ser Val Ser Ser Asn Ser Ala Ala

1 5 10

<210> 499

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT HCDR2

<400> 499

Thr Tyr Tyr Arg Phe Lys Trp Tyr Ser

1 5

<210> 500

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT HCDR3

<400> 500

Thr Arg Glu Ser Thr Thr Tyr Asp Leu Leu Ala Gly Pro Phe Asp Tyr
1 5 10 15

<210> 501

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT LCDR1

<400> 501

Gln Thr Val Leu Tyr Ser Ser Asn Asn Lys Lys Tyr
1 5 10

<210> 502

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT LCDR2

<400> 502

Trp Ala

1

<210> 503

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> TIGIT LCDR3

<400> 503

Gln Gln Tyr Tyr Ser Thr Pro Phe Thr

1

5

<210> 504

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4 cadena ligera modificada (S74L)

<400> 504

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Leu Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 505

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<223> ADT1-4-2 cadena ligera revertida (L74S)

<400> 505

Asp Ile Gln Met Thr Gln Ser Pro Pro Ala Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Asp Trp
20 25 30

Leu Ala Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Lys Tyr Ser Ala Pro Gln
85 90 95

Val Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
195 200 205

Ser Phe Asn Arg Gly Glu Cys
210 215