

# LISTADO DE SECUENCIAS

<110> DRAGONFLY THERAPEUTICS, INC.

<120> PROTEÍNAS QUE SE UNEN A NKG2D, CD16 Y FLT3

<130> 14247-474-228

<140> TBA

<141>

<150> 62/915,123

<151> 2019-10-15

<160> 319

<170> Versión PatentIn 3.5

<210> 1

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 12H10.G7-VH

<400> 1

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Val | Lys | Met | Ser | Cys | Lys | Ala | Ser | Gly | Tyr | Thr | Phe | Thr | Arg | Tyr |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Met | His | Trp | Val | Lys | Gln | Arg | Pro | Gly | Gln | Gly | Leu | Glu | Trp | Ile |
|     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Phe | Ile | Asn | Pro | Tyr | Asn | Asp | Thr | Lys | Tyr | Asn | Glu | Lys | Phe |
|     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Gly | Lys | Ala | Thr | Leu | Thr | Ser | Asp | Lys | Ser | Ser | Ser | Thr | Ala | Tyr |
| 65  |     |     |     |     | 70  |     |     |     |     | 75  |     |     |     |     | 80  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Glu | Leu | Ser | Ser | Leu | Thr | Ser | Glu | Asp | Ser | Ala | Val | Tyr | His | Cys |
|     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Trp | Arg | Gln | Leu | Gly | Ser | Leu | Asp | Ser | Trp | Gly | Gln | Gly | Thr |
|     |     |     | 100 |     |     |     |     | 105 |     |     |     |     | 110 |     |     |

Thr Leu Thr Val Ser Ser  
115

<210> 2  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VL

<400> 2

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

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

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Ala  
50 55 60

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

Pro Val Glu Ala Asp Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
100 105 110

<210> 3  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB87(VH-VL)

<400> 3

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 4  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VH CDR2

<400> 4

Asn Pro Tyr Asn Asp Asp  
1 5

<210> 5  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VH CDR3

<400> 5

Trp Arg Gln Leu Gly Ser Leu Asp Ser  
1 5

<210> 6  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VL CDR1

<400> 6

Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
1 5 10 15

<210> 7  
<211> 7

<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VL CDR2

<400> 7

Leu Ala Ser Asn Leu Glu Ser  
1 5

<210> 8  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7-VL CDR3

<400> 8

Gln Gln Asn Asn Glu Glu Pro Trp Thr  
1 5

<210> 9  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado-VH

<400> 9

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser  
115

<210> 10  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado-VL

<400> 10

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 11  
<211> 7

<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB87/GB95-VH CDR1

<400> 11

Gly Tyr Thr Phe Thr Arg Tyr  
1 5

<210> 12  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB95 (VL-VH)

<400> 12

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 13  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB88/GB96-VH

<400> 13

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser  
115

<210> 14  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9 humanizado

<400> 14

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 Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Tyr Ile His Trp Val Arg Gln Gly Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Ile Ile Pro Ser Thr Gly Ser Thr Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

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

Glu Arg Trp Gly Asp Tyr Tyr Gly Arg Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser  
115

<210> 15  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB88 (VH-VL)

<400> 15

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 16

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB96(VL-VH)

<400> 16

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 17

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 12H10.G7 humanizado GB89/GB97-VH

<400> 17

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser  
115

<210> 18

<211> 517

<212> PRT

<213> Secuencia artificial

<220>

<223> región extracelular de hFLT3-ITD

<400> 18

Asn Gln Asp Leu Pro Val Ile Lys Cys Val Leu Ile Asn His Lys Asn  
1 5 10 15

Asn Asp Ser Ser Val Gly Lys Ser Ser Ser Tyr Pro Met Val Ser Glu  
20 25 30

Ser Pro Glu Asp Leu Gly Cys Ala Leu Arg Pro Gln Ser Ser Gly Thr  
35 40 45

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

Leu Gln Val Leu Val Asp Ala Pro Gly Asn Ile Ser Cys Leu Trp Val  
65 70 75 80

Phe Lys His Ser Ser Leu Asn Cys Gln Pro His Phe Asp Leu Gln Asn  
85 90 95

Arg Gly Val Val Ser Met Val Ile Leu Lys Met Thr Glu Thr Gln Ala  
100 105 110

Gly Glu Tyr Leu Leu Phe Ile Gln Ser Glu Ala Thr Asn Tyr Thr Ile  
115 120 125

Leu Phe Thr Val Ser Ile Arg Asn Thr Leu Leu Tyr Thr Leu Arg Arg  
130 135 140

Pro Tyr Phe Arg Lys Met Glu Asn Gln Asp Ala Leu Val Cys Ile Ser  
145 150 155 160

Glu Ser Val Pro Glu Pro Ile Val Glu Trp Val Leu Cys Asp Ser Gln  
165 170 175

Gly Glu Ser Cys Lys Glu Glu Ser Pro Ala Val Val Lys Lys Glu Glu  
180 185 190

Lys Val Leu His Glu Leu Phe Gly Thr Asp Ile Arg Cys Cys Ala Arg  
195 200 205

Asn Glu Leu Gly Arg Glu Cys Thr Arg Leu Phe Thr Ile Asp Leu Asn  
210 215 220

Gln Thr Pro Gln Thr Thr Leu Pro Gln Leu Phe Leu Lys Val Gly Glu  
225 230 235 240

Pro Leu Trp Ile Arg Cys Lys Ala Val His Val Asn His Gly Phe Gly  
245 250 255

Leu Thr Trp Glu Leu Glu Asn Lys Ala Leu Glu Glu Gly Asn Tyr Phe  
260 265 270

Glu Met Ser Thr Tyr Ser Thr Asn Arg Thr Met Ile Arg Ile Leu Phe  
275 280 285

Ala Phe Val Ser Ser Val Ala Arg Asn Asp Thr Gly Tyr Tyr Thr Cys  
290 295 300

Ser Ser Ser Lys His Pro Ser Gln Ser Ala Leu Val Thr Ile Val Glu  
305 310 315 320

Lys Gly Phe Ile Asn Ala Thr Asn Ser Ser Glu Asp Tyr Glu Ile Asp  
325 330 335

Gln Tyr Glu Glu Phe Cys Phe Ser Val Arg Phe Lys Ala Tyr Pro Gln  
340 345 350

Ile Arg Cys Thr Trp Thr Phe Ser Arg Lys Ser Phe Pro Cys Glu Gln  
355 360 365

Lys Gly Leu Asp Asn Gly Tyr Ser Ile Ser Lys Phe Cys Asn His Lys  
370 375 380

His Gln Pro Gly Glu Tyr Ile Phe His Ala Glu Asn Asp Asp Ala Gln  
385 390 395 400

Phe Thr Lys Met Phe Thr Leu Asn Ile Arg Arg Lys Pro Gln Val Leu  
405 410 415

Ala Glu Ala Ser Ala Ser Gln Ala Ser Cys Phe Ser Asp Gly Tyr Pro  
420 425 430

Leu Pro Ser Trp Thr Trp Lys Lys Cys Ser Asp Lys Ser Pro Asn Cys  
435 440 445

Thr Glu Glu Ile Thr Glu Gly Val Trp Asn Arg Lys Ala Asn Arg Lys  
450 455 460

Val Phe Gly Gln Trp Val Ser Ser Ser Thr Leu Asn Met Ser Glu Ala  
465 470 475 480

Ile Lys Gly Phe Leu Val Lys Cys Cys Ala Tyr Asn Ser Leu Gly Thr  
485 490 495

Ser Cys Glu Thr Ile Leu Leu Asn Ser Pro Gly Pro Phe Pro Phe Ile  
500 505 510

Gln Asp Asn Ile Ser  
515

<210> 19  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB89 (VH-VL)

<400> 19

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 20  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB97(VL-VH)

<400> 20

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 21  
<211> 226  
<212> PRT  
<213> Homo sapiens

<220>  
<223> secuencia Fc de IgG1 humana de tipo salvaje

<400> 21

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly  
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met  
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His  
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val  
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr  
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly  
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile  
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val  
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser  
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu  
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro  
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val  
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met  
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser  
210 215 220

Pro Gly  
225

<210> 22  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB90/GB98-VL

<400> 22

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 23  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB90 (VH-VL)

<400> 23

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 24

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB98 (VL-VH)

<400> 24

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 25

<211> 517

<212> PRT

<213> Secuencia artificial

<220>

<223> región extracelular de hFLT3-T227M

<400> 25

Asn Gln Asp Leu Pro Val Ile Lys Cys Val Leu Ile Asn His Lys Asn  
1 5 10 15



Gln Thr Pro Gln Thr Thr Leu Pro Gln Leu Phe Leu Lys Val Gly Glu  
225 230 235 240

Pro Leu Trp Ile Arg Cys Lys Ala Val His Val Asn His Gly Phe Gly  
245 250 255

Leu Thr Trp Glu Leu Glu Asn Lys Ala Leu Glu Glu Gly Asn Tyr Phe  
260 265 270

Glu Met Ser Thr Tyr Ser Thr Asn Arg Thr Met Ile Arg Ile Leu Phe  
275 280 285

Ala Phe Val Ser Ser Val Ala Arg Asn Asp Thr Gly Tyr Tyr Thr Cys  
290 295 300

Ser Ser Ser Lys His Pro Ser Gln Ser Ala Leu Val Thr Ile Val Glu  
305 310 315 320

Lys Gly Phe Ile Asn Ala Thr Asn Ser Ser Glu Asp Tyr Glu Ile Asp  
325 330 335

Gln Tyr Glu Glu Phe Cys Phe Ser Val Arg Phe Lys Ala Tyr Pro Gln  
340 345 350

Ile Arg Cys Thr Trp Thr Phe Ser Arg Lys Ser Phe Pro Cys Glu Gln  
355 360 365

Lys Gly Leu Asp Asn Gly Tyr Ser Ile Ser Lys Phe Cys Asn His Lys  
370 375 380

His Gln Pro Gly Glu Tyr Ile Phe His Ala Glu Asn Asp Asp Ala Gln  
385 390 395 400

Phe Thr Lys Met Phe Thr Leu Asn Ile Arg Arg Lys Pro Gln Val Leu  
405 410 415

Ala Glu Ala Ser Ala Ser Gln Ala Ser Cys Phe Ser Asp Gly Tyr Pro  
420 425 430

Leu Pro Ser Trp Thr Trp Lys Lys Cys Ser Asp Lys Ser Pro Asn Cys  
435 440 445

Thr Glu Glu Ile Thr Glu Gly Val Trp Asn Arg Lys Ala Asn Arg Lys  
450 455 460

Val Phe Gly Gln Trp Val Ser Ser Ser Thr Leu Asn Met Ser Glu Ala  
465 470 475 480

Ile Lys Gly Phe Leu Val Lys Cys Cys Ala Tyr Asn Ser Leu Gly Thr  
485 490 495

Ser Cys Glu Thr Ile Leu Leu Asn Ser Pro Gly Pro Phe Pro Phe Ile  
500 505 510

Gln Asp Asn Ile Ser  
515

<210> 26  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado-VL

<400> 26

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 27

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB91 (VH-VL)

<400> 27

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 28

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB99 (VL-VH)

<400> 28

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 29

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 14A5.E8 humanizado consenso-VH

<220>  
<221> misc\_feature  
<222> (30)..(30)  
<223> Xaa = Phe o Thr

<220>  
<221> misc\_feature  
<222> (31)..(31)  
<223> Xaa = Ser o Tyr

<220>  
<221> misc\_feature  
<222> (40)..(40)  
<223> Xaa = Ala o Arg

<220>  
<221> misc\_feature  
<222> (44)..(44)  
<223> Xaa = Cys o Gly

<220>  
<221> misc\_feature  
<222> (72)..(72)  
<223> Xaa = Val o Glu

<220>  
<221> misc\_feature  
<222> (76)..(76)  
<223> Xaa = Ser o Tyr

<220>  
<221> misc\_feature  
<222> (100)..(100)  
<223> Xaa = Asn o Val

<220>  
<221> misc\_feature  
<222> (104)..(104)  
<223> Xaa = Thr o Tyr

<400> 29

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 Val Ser Gly Tyr Thr Phe Xaa Xaa Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Xaa Pro Gly Lys Xaa Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Xaa Asp Thr Ser Xaa Asp 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 Xaa Val Tyr Leu Xaa Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser  
115

<210> 30  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB92/GB100-VL

<400> 30

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 31  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB92 (VH-VL)

<400> 31

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Val Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 32

<211> 247

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB100 (VL-VH)

<400> 32

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val  
245

<210> 33  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4H2.E3-VH CDR2

<400> 33

Asn Pro Tyr Ser Asp Gly  
1 5

<210> 34  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB93/GB101-VL

<400> 34

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 35  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB93(VH-VL)

<400> 35

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ser 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 His Cys  
85 90 95

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Val Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 36

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB101(VL-VH)

<400> 36

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

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

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 37  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB94/GB102-VH

<400> 37

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser  
115

<210> 38  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB94/GB102-VL

<400> 38

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 39  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB94 (VH-VL)

<400> 39

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 40

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB102(VL-VH)

<400> 40

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 41  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB102 D101E-VH

<400> 41

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser  
115

<210> 42  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB102 -VL

<400> 42

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 43  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB102 D101E (VH-VL)

<400> 43

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 44  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB102 D101E (VL-VH)

<400> 44

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 45  
<211> 118

<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB102 M34I-VH

<400> 45

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser  
115

<210> 46  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14H8.E7-VL CDR3

<400> 46

Gln Gln Trp Ser Ser Lys Ser Pro Thr  
1 5

<210> 47  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB102 M34I (VH-VL)

<400> 47

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 48  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB102 M34I (VL-VH)

<400> 48

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 49  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB102 M34I/D101E-VH

<400> 49

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser  
115

<210> 50  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado GB102 M34I/D101E -CDR3

<400> 50

Trp Arg Gln Leu Gly Ser Leu Glu Ser  
1 5

<210> 51  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 12H10.G7 humanizado GB102 M34I/D101E (VH-VL)

<400> 51

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Asp Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys  
245

<210> 52

<211> 249

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 12H10.G7 humanizado GB102 M34I/D101E (VL-VH)

<400> 52

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser  
245

<210> 53  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado consenso 1-VH

<220>  
<221> misc\_feature  
<222> (34)..(34)  
<223> Xaa = Met o Ile

<220>  
<221> misc\_feature  
<222> (106)..(106)  
<223> Xaa = Glu o Asp

<400> 53

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Xaa His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Xaa Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser  
115

<210> 54  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado consenso VH CDR3

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Xaa = Asn o Val

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Xaa = Thr o Tyr

<400> 54

Arg Xaa Val Tyr Leu Xaa Phe Asp Tyr  
1 5

<210> 55  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado consenso 1-VH CDR3

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Xaa = Glu o Asp

<400> 55

Trp Arg Gln Leu Gly Ser Leu Xaa Ser  
1 5

<210> 56  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado consenso 2 -VH

<220>  
<221> misc\_feature  
<222> (72)..(72)  
<223> Xaa = Ser o Arg

<220>  
<221> misc\_feature  
<222> (95)..(95)  
<223> Xaa = Tyr o His

<400> 56

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Xaa 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 Xaa Cys  
85 90 95

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

Thr Val Thr Val Ser Ser  
115

<210> 57  
<211> 111  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado consenso 2 -VL

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Xaa = Ala o Asp

<220>  
<221> misc\_feature  
<222> (72)..(72)  
<223> Xaa = Arg o Gly

<220>  
<221> misc\_feature  
<222> (87)..(87)  
<223> Xaa = Ala o Val

<220>  
<221> misc\_feature  
<222> (89)..(89)  
<223> Xaa = Thr o Val

<400> 57

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
50 55 60

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

Ser Leu Gln Ala Glu Asp Xaa Ala Xaa Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105 110

<210> 58  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12H10.G7 humanizado consenso 3-VH

<220>  
<221> misc\_feature  
<222> (34)..(34)  
<223> Xaa = Met o Ile

<220>  
<221> misc\_feature  
<222> (106)..(106)  
<223> Xaa = Glu o Asp

<400> 58

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Xaa His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Arg 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 Trp Arg Gln Leu Gly Ser Leu Xaa Ser Trp Gly Gln Gly Thr  
100 105 110

Thr Val Thr Val Ser Ser  
115

<210> 59  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado consenso VH CDR1

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Xaa = Pro o Thr

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Xaa = Ser o Tyr

<400> 59

Gly Tyr Thr Phe Xaa Xaa Tyr  
1 5

<210> 60  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VH

<400> 60

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

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

20

25

30

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

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
 50 55 60

Lys Asn Arg Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr  
 65 70 75 80

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

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

Thr Leu Thr Val Ser Ser  
 115

<210> 61  
 <211> 106  
 <212> PRT  
 <213> Secuencia artificial

<220>  
 <223> 14A5.E8-VL

<400> 61

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

Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met  
 20 25 30

His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr  
 35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser  
 50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu

65

70

75

80

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

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

<210> 62  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VH CDR1

<400> 62

Gly Tyr Thr Phe Thr Ser Tyr  
1 5

<210> 63  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VH o 14A5.E8 humanizado consenso VH CDR2

<400> 63

Tyr Pro Gly Ser Ser Ile  
1 5

<210> 64  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VH CDR3

<400> 64

Arg Val Val Tyr Leu Tyr Phe Asp Tyr  
1 5

<210> 65

<211> 10  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VL CDR1

<400> 65

Ser Ala Ser Ser Ser Val Ser Tyr Met His  
1 5 10

<210> 66  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VL o 14A5.E8 humanizado consenso VL CDR2

<400> 66

Asp Thr Ser Lys Leu Ala Ser  
1 5

<210> 67  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8-VL o 14A5.E8 humanizado consenso VL CDR3

<400> 67

Gln Gln Trp Thr Ser Lys Ser Pro Thr  
1 5

<210> 68  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1551/1552-VH

<400> 68

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 Val Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Arg Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Val Asp Thr Ser Ser Asp 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 Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser  
115

<210> 69  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1551/1552-VL

<400> 69

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

Glu Lys Ala Thr Leu Ser Cys Ser Ala Ser Ser Ser Val Ser Tyr Met  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

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

<210> 70  
<211> 244  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 14A5.E8 humanizado 1551(VH-VL)

<400> 70

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 Val Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Arg Pro Gly Lys Cys Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Val Asp Thr Ser Ser Asp 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 Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln  
130 135 140

Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Lys Ala Thr Leu Ser  
145 150 155 160

Cys Ser Ala Ser Ser Ser Val Ser Tyr Met His Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Asp Thr Ser Lys Leu Ala  
180 185 190

Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Phe  
195 200 205

Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ala Ala Val Tyr Tyr  
210 215 220

Cys Gln Gln Trp Thr Ser Lys Ser Pro Thr Phe Gly Cys Gly Thr Lys  
225 230 235 240

Val Glu Ile Lys

<210> 71  
<211> 244  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 14A5.E8 humanizado 1552(VL-VH)

<400> 71

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

Glu Lys Ala Thr Leu Ser Cys Ser Ala Ser Ser Ser Val Ser Tyr Met  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser 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 Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val  
130 135 140

Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Ser Tyr Trp Ile  
145 150 155 160

Asn Trp Val Arg Gln Arg Pro Gly Lys Cys Leu Glu Trp Met Gly Asn  
165 170 175

Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe Lys Asn  
180 185 190

Arg Val Thr Met Thr Val Asp Thr Ser Ser Asp Thr Ala Tyr Met Glu  
195 200 205

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
210 215 220

Arg Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val  
225 230 235 240

Thr Val Ser Ser

<210> 72

<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1553/1554-VH

<400> 72

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 Val Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

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

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser  
115

<210> 73  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1553/1554-VL

<400> 73

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 Ser Ala Ser Ser Ser Val Ser Tyr Met  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

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

<210> 74  
<211> 244  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv de 14A5.E8 humanizado 1553 (VH-VL)

<400> 74

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 Val Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln  
130 135 140

Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser  
145 150 155 160

Cys Ser Ala Ser Ser Ser Val Ser Tyr Met His Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Asp Thr Ser Lys Leu Ala  
180 185 190

Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr  
210 215 220

Cys Gln Gln Trp Thr Ser Lys Ser Pro Thr Phe Gly Cys Gly Thr Lys  
225 230 235 240

Val Glu Ile Lys

<210> 75

<211> 244

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 14A5.E8 humanizado 1554(VL-VH)

<400> 75

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 Ser Ala Ser Ser Ser Val Ser Tyr Met  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser 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 Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val  
130 135 140

Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Ser Tyr Trp Ile  
145 150 155 160

Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met Gly Asn  
165 170 175

Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe Lys Asn  
180 185 190

Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr Met Glu  
195 200 205

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg

|                                                                 |  |     |  |     |
|-----------------------------------------------------------------|--|-----|--|-----|
| 210                                                             |  | 215 |  | 220 |
| Arg Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val |  |     |  |     |
| 225                                                             |  | 230 |  | 235 |
|                                                                 |  |     |  | 240 |

Thr Val Ser Ser

<210> 76  
 <211> 118  
 <212> PRT  
 <213> Secuencia artificial

<220>  
 <223> 14A5.E8 humanizado 1689-VH

<400> 76

|                                                                 |
|-----------------------------------------------------------------|
| 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 Val Ser Gly Tyr Thr Phe Pro Tyr Tyr |
| 20 25 30                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| Trp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met |
| 35 40 45                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe |
| 50 55 60                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Asn Val Tyr Leu Thr Phe Asp Tyr Trp Gly Gln Gly Thr |
| 100 105 110                                                     |

|                         |
|-------------------------|
| Leu Val Thr Val Ser Ser |
| 115                     |

<210> 77

<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1689-VL

<400> 77

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 Ser Ala Ser Ser Ser Val Ser Tyr Ile  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

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

<210> 78  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado 1689-VH CDR1

<400> 78

Gly Tyr Thr Phe Pro Tyr Tyr  
1 5

<210> 79  
<211> 9  
<212> PRT

<213> Secuencia artificial

<220>

<223> 14A5.E8 humanizado 1689-VH CDR3

<400> 79

Arg Asn Val Tyr Leu Thr Phe Asp Tyr  
1 5

<210> 80

<211> 10

<212> PRT

<213> Secuencia artificial

<220>

<223> 14A5.E8 humanizado 1689-VL CDR1

<400> 80

Ser Ala Ser Ser Ser Val Ser Tyr Ile His  
1 5 10

<210> 81

<211> 244

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 14A5.E8 humanizado 1689 (VH-VL)

<400> 81

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 Val Ser Gly Tyr Thr Phe Pro Tyr Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Asn Val Tyr Leu Thr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln  
130 135 140

Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser  
145 150 155 160

Cys Ser Ala Ser Ser Ser Val Ser Tyr Ile His Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Asp Thr Ser Lys Leu Ala  
180 185 190

Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr  
210 215 220

Cys Gln Gln Trp Thr Ser Lys Ser Pro Thr Phe Gly Cys Gly Thr Lys  
225 230 235 240

Val Glu Ile Lys

<210> 82

<211> 244

<212> PRT

<213> Secuencia artificial

<220>

<223> scFv de 14A5.E8 humanizado 1689 (VL-VH)

<400> 82

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 Ser Ala Ser Ser Ser Val Ser Tyr Ile  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser 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 Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val  
130 135 140

Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Phe Pro Tyr Tyr Trp Ile  
145 150 155 160

Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met Gly Asn  
165 170 175

Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe Lys Asn  
180 185 190

Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr Met Glu  
195 200 205

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg

|                                                                 |  |     |  |     |
|-----------------------------------------------------------------|--|-----|--|-----|
| 210                                                             |  | 215 |  | 220 |
| Arg Asn Val Tyr Leu Thr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val |  |     |  |     |
| 225                                                             |  | 230 |  | 235 |
|                                                                 |  |     |  | 240 |

Thr Val Ser Ser

<210> 83  
 <211> 106  
 <212> PRT  
 <213> Secuencia artificial

<220>  
 <223> 14H8.E7-VL

<400> 83

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

|                                                                 |
|-----------------------------------------------------------------|
| Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met |
| 20 25 30                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Phe |
| 35 40 45                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Val Arg Phe Ser Gly Ser |
| 50 55 60                                                        |

|                                                                 |
|-----------------------------------------------------------------|
| Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Thr Asn Met Glu Thr Glu |
| 65 70 75 80                                                     |

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

|                                         |
|-----------------------------------------|
| Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys |
| 100 105                                 |

<210> 84  
 <211> 106  
 <212> PRT  
 <213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado consenso VL

<220>  
<221> misc\_feature  
<222> (32)..(32)  
<223> Xaa = Met o Ile

<400> 84

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 Ser Ala Ser Ser Ser Val Ser Tyr Xaa  
20 25 30

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

Asp Thr Ser Lys Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser  
50 55 60

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

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

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

<210> 85  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9-VH

<400> 85

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

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Tyr Ile His Trp Val Lys Gln Gly Pro Glu Lys Ser Leu Glu Trp Ile  
35 40 45

Gly Glu Ile Ile Pro Ser Thr Gly Ser Thr Ile Tyr Asn Gln Lys Phe  
50 55 60

Lys Ala Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr  
65 70 75 80

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

Glu Arg Trp Gly Asp Tyr Tyr Gly Arg Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Ser Val Thr Val Ser Ser  
115

<210> 86  
<211> 10  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14A5.E8 humanizado consenso VL CDR1

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Xaa = Met o Ile

<400> 86

Ser Ala Ser Ser Ser Val Ser Tyr Xaa His  
1 5 10

<210> 87  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9-VH CDR1

<400> 87

Gly Tyr Ser Phe Thr Gly Tyr  
1 5

<210> 88

<211> 6

<212> PRT

<213> Secuencia artificial

<220>

<223> 11F4.B9-VH CDR2

<400> 88

Ile Pro Ser Thr Gly Ser  
1 5

<210> 89

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> 11F4.B9-VH CDR3

<400> 89

Trp Gly Asp Tyr Tyr Gly Arg Asp Tyr  
1 5

<210> 90

<211> 111

<212> PRT

<213> Secuencia artificial

<220>

<223> 11F4.B9-VL

<400> 90

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

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

Gly Asn Ser Phe Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Arg Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala  
50 55 60

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

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

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

<210> 91  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9-VL CDR1

<400> 91

Arg Ala Ser Glu Ser Val Asp Ile Tyr Gly Asn Ser Phe Met His  
1 5 10 15

<210> 92  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9-VL CDR2

<400> 92

Arg Ala Ser Asn Leu Glu Ser  
1 5

<210> 93  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 11F4.B9-VL CDR3

<400> 93

Gln Gln Ser Asn Glu Asp Pro Arg Thr  
1 5

<210> 94

<211> 111

<212> PRT

<213> Secuencia artificial

<220>

<223> 11F4.B9 humanizado -VL

<400> 94

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Ile Tyr  
20 25 30

Gly Asn Ser Phe Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

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

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

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

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

<210> 95

<211> 120

<212> PRT

<213> Secuencia artificial

<220>

<223> 4A4.A3-VH

<400> 95

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

Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Thr Thr Tyr  
20 25 30

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

Trp Leu Ala Asn Ile Trp Phe Asn Asp Asn Lys Tyr Tyr Asn Ser Thr  
50 55 60

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

Phe Leu Lys Ile Ser Ser Val Asp Thr Thr Asp Thr Ala Thr Tyr Tyr  
85 90 95

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

Gly Ser Pro Leu Thr Val Ser Pro  
115 120

<210> 96  
<211> 108  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VL

<400> 96

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

Glu Lys Ile Thr Ile Thr Cys Ser Ala Ser Ser Ser Ile Ser Ser Ile  
20 25 30

Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Phe Ser Pro Lys Leu Leu  
35 40 45

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

Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Gly Thr Met Glu  
65 70 75 80

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

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

<210> 97  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VH CDR1

<400> 97

Gly Phe Ser Leu Thr Thr Tyr Gly Met  
1 5

<210> 98  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.H7-VH CDR2

<400> 98

Tyr Pro Asn Thr Gly Ile  
1 5

<210> 99  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VH CDR2

<400> 99

Trp Phe Asn Asp Asn  
1 5

<210> 100  
<211> 10  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VH CDR3

<400> 100

Ile Thr Thr Val Val Gly Thr Phe Asp Tyr  
1 5 10

<210> 101  
<211> 12  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VL CDR1

<400> 101

Ser Ala Ser Ser Ser Ile Ser Ser Ile Tyr Leu His  
1 5 10

<210> 102  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VL CDR2

<400> 102

Arg Thr Ser Asp Leu Ala Ser  
1 5

<210> 103  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4A4.A3-VL CDR3

<400> 103

Gln Gln Gly Ser Ser Phe Pro Arg Thr  
1 5

<210> 104

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 4A4.H7-VH

<400> 104

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

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Tyr Ile His Trp Val Lys Gln Ser Pro Glu Glu Ser Leu Glu Trp Ile  
35 40 45

Gly Glu Ile Tyr Pro Asn Thr Gly Ile Thr Thr Tyr Asn Gln Lys Phe  
50 55 60

Thr Ala Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Asn Thr Ala Tyr  
65 70 75 80

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

Thr Arg Trp Gly Asp Tyr Tyr Gly Arg Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Ser Val Thr Val Ser Ser  
115

<210> 105

<211> 111

<212> PRT

<213> Secuencia artificial

<220>

<223> 4A4.H7-VL

<400> 105

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

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

Gly Asn Ser Phe Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Arg Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala  
50 55 60

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

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

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

<210> 106

<211> 15

<212> PRT

<213> Secuencia artificial

<220>

<223> 4A4.H7-VL CDR1

<400> 106

Arg Ala Ser Glu Thr Val Asp Thr His Gly Asn Ser Phe Met His  
1 5 10 15

<210> 107

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 15A11.C8-VH

<400> 107

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

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

Gly Met His Trp Val Arg His Thr Pro Glu Lys Gly Leu Glu Trp Val  
35 40 45

Val Tyr Ile Ser Ser Gly Gly Asn Thr Ile Phe Tyr Thr Asp Thr Val  
50 55 60

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

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

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

Ser Val Thr Val Ser Ser  
115

<210> 108

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> 15A11.C8-VL

<400> 108

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

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

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

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

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln  
65 70 75 80

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

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

<210> 109  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 15A11.C8-VH CDR1

<400> 109

Gly Phe Thr Phe Ser Asp Tyr  
1 5

<210> 110  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 15A11.C8-VH CDR2

<400> 110

Ser Ser Gly Gly Asn Thr  
1 5

<210> 111  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 15A11.C8-VH CDR3

<400> 111

Gln Gly Tyr Tyr Tyr Ala Met Asp Tyr  
1 5

<210> 112

<211> 11

<212> PRT

<213> Secuencia artificial

<220>

<223> 15A11.C8-VL CDR1

<400> 112

Arg Ala Ser Gln Asp Ile Thr Asn Tyr Leu Asn  
1 5 10

<210> 113

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> 15A11.C8-VL CDR2

<400> 113

Tyr Thr Ser Ile Leu Gln Ser  
1 5

<210> 114

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> 15A11.C8-VL CDR3

<400> 114

Gln Gln Gly Ser Ser Leu Pro Trp Thr  
1 5

<210> 115

<211> 114

<212> PRT

<213> Secuencia artificial

<220>

<223> 12C9.E5-VH

<400> 115

Glu Val Gln Leu Gln Glu Ser Gly Ala Glu Leu Val Arg Pro Gly Ala  
1 5 10 15

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

Glu Ile His Trp Val Lys Gln Thr Pro Val His Gly Leu Glu Trp Ile  
35 40 45

Gly Ala Ile Asp Pro Glu Thr Gly Ile Thr Ala Tyr Ser Gln Lys Phe  
50 55 60

Lys Gly Lys Ala Thr Leu Thr Thr Asp Thr Ser Ser Ser Thr Ala Tyr  
65 70 75 80

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

Thr Arg Gly Gly Leu Leu Tyr Trp Gly Gln Gly Thr Ser Val Thr Val  
100 105 110

Ser Ser

<210> 116

<211> 112

<212> PRT

<213> Secuencia artificial

<220>

<223> 12C9.E5-VL

<400> 116

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

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser  
20 25 30

Asp Gly Glu Thr Tyr Leu Asn Trp Leu Gln Gln Arg Pro Gly Gln Ser  
35 40 45

Pro Lys Arg Leu Met Tyr Gln Val Ser Lys Leu Asp Pro Gly Ile Pro  
50 55 60

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

Ser Arg Val Glu Ala Glu Asp Leu Gly Ile Tyr Tyr Cys Leu Gln Gly  
85 90 95

Thr Phe Tyr Pro His Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
100 105 110

<210> 117  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12C9.E5-VH CDR1

<400> 117

Gly Tyr Ile Phe Thr Asp Tyr  
1 5

<210> 118  
<211> 6  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 12C9.E5-VH CDR2

<400> 118

Asp Pro Glu Thr Gly Ile  
1 5

<210> 119  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>

<223> 12C9.E5-VH CDR3

<400> 119

Gly Gly Leu Leu Tyr  
1 5

<210> 120

<211> 16

<212> PRT

<213> Secuencia artificial

<220>

<223> 12C9.E5-VL CDR1

<400> 120

Lys Ser Ser Gln Ser Leu Leu Tyr Ser Asp Gly Glu Thr Tyr Leu Asn  
1 5 10 15

<210> 121

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> 12C9.E5-VL CDR2

<400> 121

Gln Val Ser Lys Leu Asp Pro  
1 5

<210> 122

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> 12C9.E5-VL CDR3

<400> 122

Leu Gln Gly Thr Phe Tyr Pro His Thr  
1 5

<210> 123

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 1A2.A3 VH

<400> 123

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

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
20 25 30

Tyr Ile His Trp Val Lys Gln Ser Pro Glu Glu Ser Leu Glu Trp Ile  
35 40 45

Gly Glu Ile Tyr Pro Asn Thr Gly Ile Thr Thr Tyr Asn Gln Lys Phe  
50 55 60

Thr Ala Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Asn Thr Ala Tyr  
65 70 75 80

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

Thr Arg Trp Gly Asp Tyr Tyr Gly Arg Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Ser Val Thr Val Ser Ser  
115

<210> 124

<211> 111

<212> PRT

<213> Secuencia artificial

<220>

<223> 1A2.A3-VL

<400> 124

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

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

Gly Asn Ser Phe Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Arg Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala  
50 55 60

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

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

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

<210> 125  
<211> 120  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4H2.E3-VH

<400> 125

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

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Leu Met His Trp Met Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile  
35 40 45

Gly Tyr Ile Asn Pro Tyr Ser Asp Gly Ile Lys Tyr Asn Glu Lys Phe  
50 55 60

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

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

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

Gly Thr Ser Val Thr Val Ser Ser  
115 120

<210> 126  
<211> 112  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 4H2.E3-VL

<400> 126

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

Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser  
20 25 30

Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg Pro Gly Gln Ser  
35 40 45

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

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln His  
85 90 95

Leu Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys  
100 105 110

<210> 127  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>

<223> 4H2.E3-VH CDR3

<400> 127

Ser Ser Gly Tyr Val Gly Tyr Ala Met Asp Tyr  
1 5 10

<210> 128

<211> 16

<212> PRT

<213> Secuencia artificial

<220>

<223> 4H2.E3-VL CDR1

<400> 128

Arg Ser Ser Lys Ser Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr  
1 5 10 15

<210> 129

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> 4H2.E3-VL CDR2

<400> 129

Arg Met Ser Asn Leu Ala Ser  
1 5

<210> 130

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> 4H2.E3-VL CDR3

<400> 130

Met Gln His Leu Glu Tyr Pro Phe Thr  
1 5

<210> 131

<211> 118

<212> PRT

<213> Secuencia artificial

<220>

<223> 14H8.E7-VH

<400> 131

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

Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr  
20 25 30

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

Gly Asn Ile Tyr Pro Gly Ser Thr Ile Ile Asn Tyr Asn Glu Lys Phe  
50 55 60

Lys Asn Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr  
65 70 75 80

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

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

Thr Leu Thr Val Ser Ser  
115

<210> 132

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> 14H8.E7-VH CDR1

<400> 132

Gly Tyr Thr Phe Thr Asn Tyr  
1 5

<210> 133

<211> 6

<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14H8.E7-VH CDR2

<400> 133

Tyr Pro Gly Ser Thr Ile  
1 5

<210> 134  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 14H8.E7-VH CDR3

<400> 134

Arg Val Val Tyr Leu Tyr Phe Asp Ser  
1 5

<210> 135  
<211> 517  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> dominio extracelular de FLT3 humano maduro

<400> 135

Asn Gln Asp Leu Pro Val Ile Lys Cys Val Leu Ile Asn His Lys Asn  
1 5 10 15

Asn Asp Ser Ser Val Gly Lys Ser Ser Ser Tyr Pro Met Val Ser Glu  
20 25 30

Ser Pro Glu Asp Leu Gly Cys Ala Leu Arg Pro Gln Ser Ser Gly Thr  
35 40 45

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

Leu Gln Val Leu Val Asp Ala Pro Gly Asn Ile Ser Cys Leu Trp Val  
65 70 75 80

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Phe | Lys | His | Ser | Ser | Leu | Asn | Cys | Gln | Pro | His | Phe | Asp | Leu | Gln | Asn |  |
|     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |  |
| Arg | Gly | Val | Val | Ser | Met | Val | Ile | Leu | Lys | Met | Thr | Glu | Thr | Gln | Ala |  |
|     |     |     | 100 |     |     |     |     | 105 |     |     |     |     |     | 110 |     |  |
| Gly | Glu | Tyr | Leu | Leu | Phe | Ile | Gln | Ser | Glu | Ala | Thr | Asn | Tyr | Thr | Ile |  |
|     |     | 115 |     |     |     |     | 120 |     |     |     |     | 125 |     |     |     |  |
| Leu | Phe | Thr | Val | Ser | Ile | Arg | Asn | Thr | Leu | Leu | Tyr | Thr | Leu | Arg | Arg |  |
|     | 130 |     |     |     |     | 135 |     |     |     |     | 140 |     |     |     |     |  |
| Pro | Tyr | Phe | Arg | Lys | Met | Glu | Asn | Gln | Asp | Ala | Leu | Val | Cys | Ile | Ser |  |
| 145 |     |     |     |     | 150 |     |     |     |     | 155 |     |     |     |     | 160 |  |
| Glu | Ser | Val | Pro | Glu | Pro | Ile | Val | Glu | Trp | Val | Leu | Cys | Asp | Ser | Gln |  |
|     |     |     |     | 165 |     |     |     | 170 |     |     |     |     |     | 175 |     |  |
| Gly | Glu | Ser | Cys | Lys | Glu | Glu | Ser | Pro | Ala | Val | Val | Lys | Lys | Glu | Glu |  |
|     |     |     | 180 |     |     |     |     | 185 |     |     |     |     | 190 |     |     |  |
| Lys | Val | Leu | His | Glu | Leu | Phe | Gly | Thr | Asp | Ile | Arg | Cys | Cys | Ala | Arg |  |
|     |     | 195 |     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |  |
| Asn | Glu | Leu | Gly | Arg | Glu | Cys | Thr | Arg | Leu | Phe | Thr | Ile | Asp | Leu | Asn |  |
|     | 210 |     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |  |
| Gln | Thr | Pro | Gln | Thr | Thr | Leu | Pro | Gln | Leu | Phe | Leu | Lys | Val | Gly | Glu |  |
| 225 |     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |
| Pro | Leu | Trp | Ile | Arg | Cys | Lys | Ala | Val | His | Val | Asn | His | Gly | Phe | Gly |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |     |  |
| Leu | Thr | Trp | Glu | Leu | Glu | Asn | Lys | Ala | Leu | Glu | Glu | Gly | Asn | Tyr | Phe |  |
|     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |     |     |  |
| Glu | Met | Ser | Thr | Tyr | Ser | Thr | Asn | Arg | Thr | Met | Ile | Arg | Ile | Leu | Phe |  |
|     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |     |     |     |  |

Ala Phe Val Ser Ser Val Ala Arg Asn Asp Thr Gly Tyr Tyr Thr Cys  
290 295 300

Ser Ser Ser Lys His Pro Ser Gln Ser Ala Leu Val Thr Ile Val Glu  
305 310 315 320

Lys Gly Phe Ile Asn Ala Thr Asn Ser Ser Glu Asp Tyr Glu Ile Asp  
325 330 335

Gln Tyr Glu Glu Phe Cys Phe Ser Val Arg Phe Lys Ala Tyr Pro Gln  
340 345 350

Ile Arg Cys Thr Trp Thr Phe Ser Arg Lys Ser Phe Pro Cys Glu Gln  
355 360 365

Lys Gly Leu Asp Asn Gly Tyr Ser Ile Ser Lys Phe Cys Asn His Lys  
370 375 380

His Gln Pro Gly Glu Tyr Ile Phe His Ala Glu Asn Asp Asp Ala Gln  
385 390 395 400

Phe Thr Lys Met Phe Thr Leu Asn Ile Arg Arg Lys Pro Gln Val Leu  
405 410 415

Ala Glu Ala Ser Ala Ser Gln Ala Ser Cys Phe Ser Asp Gly Tyr Pro  
420 425 430

Leu Pro Ser Trp Thr Trp Lys Lys Cys Ser Asp Lys Ser Pro Asn Cys  
435 440 445

Thr Glu Glu Ile Thr Glu Gly Val Trp Asn Arg Lys Ala Asn Arg Lys  
450 455 460

Val Phe Gly Gln Trp Val Ser Ser Ser Thr Leu Asn Met Ser Glu Ala  
465 470 475 480

Ile Lys Gly Phe Leu Val Lys Cys Cys Ala Tyr Asn Ser Leu Gly Thr  
485 490 495

Ser Cys Glu Thr Ile Leu Leu Asn Ser Pro Gly Pro Phe Pro Phe Ile  
500 505 510

Gln Asp Asn Ile Ser  
515

<210> 136  
<211> 226  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> secuencia Fc de IgG1 humana de tipo salvaje

<400> 136

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly  
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met  
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His  
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val  
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr  
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly  
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile  
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val  
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser  
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu  
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro  
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val  
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met  
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser  
210 215 220

Pro Gly  
225

<210> 137  
<211> 20  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> enlazador ((G4S)4)

<400> 137

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser  
20

<210> 138  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27705-VH

<400> 138

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 139  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27705-VL

<400> 139

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

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

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

Tyr Lys 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 Tyr Asn Ser Tyr Pro Ile  
85 90 95

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

<210> 140  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27705-VH CDR1

<400> 140

Gly Ser Phe Ser Gly Tyr Tyr Trp Ser  
1 5

<210> 141  
<211> 16  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27705-VH CDR2

<400> 141

Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser  
1 5 10 15

<210> 142  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27705-VH CDR3

<400> 142

Ala Arg Ala Arg Gly Pro Trp Ser Phe Asp Pro  
1 5 10

<210> 143  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27724-VH

<400> 143

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 144  
<211> 108  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27724-VL

<400> 144

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly  
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser  
20 25 30

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

Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser  
50 55 60

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

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

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

<210> 145  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27740 (A40) -VH

<400> 145

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 146  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27740 (A40) -VL

<400> 146

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

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

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

Tyr Lys 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 Tyr His Ser Phe Tyr Thr  
85 90 95

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

<210> 147  
<211> 117

<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27741-VH

<400> 147

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 148  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27741-VL

<400> 148

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

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

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

Tyr Lys 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 Ser Asn Ser Tyr Tyr Thr  
85 90 95

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

<210> 149

<211> 117

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27743-VH

<400> 149

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 150  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27743-VL

<400> 150

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

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

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

Tyr Lys 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 Tyr Asn Ser Tyr Pro Thr  
85 90 95

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

<210> 151  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-28153-VH

<400> 151

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg Ala Arg Gly Pro Trp Gly Phe Asp Pro Trp Gly Gln Gly Thr Leu  
100 105 110

Val Thr Val Ser Ser  
115

<210> 152

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-28153-VL

<400> 152

Glu Leu 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 Thr Ser Gln Ser Ile Ser Ser Tyr  
20 25 30

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

Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val Pro Asp 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 Ser Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Asp Ile Pro Tyr  
85 90 95

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

<210> 153  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-28226(C26)-VH

<400> 153

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 154  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-28226(C26)-VL

<400> 154

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

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

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

Tyr Lys 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 Tyr Gly Ser Phe Pro Ile  
85 90 95

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

<210> 155  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-28154-VH

<400> 155

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 156

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-28154-VL

<400> 156

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

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

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

Tyr Lys Ala Ser Ser Leu Glu 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

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

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

<210> 157  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29399-VH

<400> 157

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 158  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29399-VL

<400> 158

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

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

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

Tyr Lys 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 Tyr Asn Ser Phe Pro Thr  
85 90 95

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

<210> 159  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29401-VH

<400> 159

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 160

<211> 106

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29401-VL

<400> 160

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

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

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

Tyr Lys 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 Tyr Asp Ile Tyr Pro Thr  
85 90 95

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

<210> 161

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29443 (F43) -VL

<400> 161

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 Gln Ser Val Ser Arg Tyr  
20 25 30

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

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50 55 60

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

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

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

<210> 162  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29403-VH

<400> 162

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 163  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29403-VL

<400> 163

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

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

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

Tyr Lys 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 Tyr Asp Ser Tyr Pro Thr  
85 90 95

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

<210> 164

<211> 117

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29405-VH

<400> 164

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 165  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29405-VL

<400> 165

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

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

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

Tyr Lys 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 Tyr Gly Ser Phe Pro Thr  
85 90 95

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

<210> 166  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29407-VH

<400> 166

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 167  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29407-VL

<400> 167

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

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

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

Tyr Lys 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 Tyr Gln Ser Phe Pro Thr  
85 90 95

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

<210> 168  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29419-VH

<400> 168

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 169  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29419-VL

<400> 169

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

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

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

Tyr Lys 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 Tyr Ser Ser Phe Ser Thr  
85 90 95

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

<210> 170  
<211> 117

<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29421-VH

<400> 170

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 171  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29421-VL

<400> 171

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

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

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

Tyr Lys 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 Tyr Glu Ser Tyr Ser Thr  
85 90 95

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

<210> 172

<211> 117

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29424-VH

<400> 172

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 173  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29424-VL

<400> 173

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

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

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

Tyr Lys 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 Tyr Asp Ser Phe Ile Thr  
85 90 95

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

<210> 174  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-29425-VH

<400> 174

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 175

<211> 106

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29425-VL

<400> 175

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

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

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

Tyr Lys 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 Tyr Gln Ser Tyr Pro Thr  
85 90 95

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

<210> 176  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29426-VH

<400> 176

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 177  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29426-VL

<400> 177

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

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

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

Tyr Lys 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 Tyr His Ser Phe Pro Thr  
85 90 95

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

<210> 178  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-29429-VH

<400> 178

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 179

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29429-VL

<400> 179

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

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

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

Tyr Lys 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 Tyr Glu Leu Tyr Ser Tyr  
85 90 95

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

<210> 180  
<211> 117  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29447 (F47) -VH

<400> 180

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 181  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29447 (F47) -VL

<400> 181

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

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

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

Tyr Lys 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 Tyr Asp Thr Phe Ile Thr  
85 90 95

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

<210> 182  
<211> 125  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27727-VH

<400> 182

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

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

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr 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 Gly Asp Ser Ser Ile Arg His Ala Tyr Tyr Tyr Tyr Gly Met  
100 105 110

Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 183

<211> 113

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VL

<400> 183

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 Val Leu Tyr Ser  
20 25 30

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

Pro Pro Lys 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 Ile Thr Phe Gly Gly Gly Thr Lys Val Glu Ile  
100 105 110

Lys

<210> 184  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27727-VH CDR1(non-Kabat)

<400> 184

Gly Thr Phe Ser Ser Tyr Ala Ile Ser  
1 5

<210> 185  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27727-VH CDR1(non-Kabat)

<400> 185

Ser Tyr Ala Ile Ser  
1 5

<210> 186  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-27727-VH CDR2

<400> 186

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ile | Ile | Pro | Ile | Phe | Gly | Thr | Ala | Asn | Tyr | Ala | Gln | Lys | Phe | Gln |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Gly

<210> 187

<211> 17

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VL CDR1

<400> 187

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Ser | Ser | Gln | Ser | Val | Leu | Tyr | Ser | Ser | Asn | Asn | Lys | Asn | Tyr | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Ala

<210> 188

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VL CDR2

<400> 188

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| Trp | Ala | Ser | Thr | Arg | Glu | Ser |
| 1   |     |     |     | 5   |     |     |

<210> 189

<211> 18

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VH CDR3 (non-Kabat)

<400> 189

Ala Arg Gly Asp Ser Ser Ile Arg His Ala Tyr Tyr Tyr Tyr Gly Met  
1 5 10 15

Asp Val

<210> 190

<211> 16

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VH CDR3 (non-Kabat)

<400> 190

Gly Asp Ser Ser Ile Arg His Ala Tyr Tyr Tyr Tyr Gly Met Asp Val  
1 5 10 15

<210> 191

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27727-VL CDR3

<400> 191

Gln Gln Tyr Tyr Ser Thr Pro Ile Thr  
1 5

<210> 192

<211> 121

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29443(F43)-VH

<400> 192

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

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

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

Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn 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 Gly Ser Asp Arg Phe His Pro Tyr Phe Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 193  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443 (F43) -VH CDR1 (non-Kabat)

<400> 193

Gly Ser Ile Ser Ser Ser Ser Tyr Tyr Trp Gly  
1 5 10

<210> 194  
<211> 7  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443 (F43) -VH CDR1 (non-Kabat)

<400> 194

Ser Ser Ser Tyr Tyr Trp Gly  
1 5

<210> 195  
<211> 16  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443(F43)-VH CDR2

<400> 195

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Ile | Tyr | Tyr | Ser | Gly | Ser | Thr | Tyr | Tyr | Asn | Pro | Ser | Leu | Lys | Ser |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

<210> 196  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443(F43)-VH CDR3 (non-Kabat)

<400> 196

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Gly | Ser | Asp | Arg | Phe | His | Pro | Tyr | Phe | Asp | Tyr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |

<210> 197  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443(F43)-VH CDR3 (non-Kabat)

<400> 197

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ser | Asp | Arg | Phe | His | Pro | Tyr | Phe | Asp | Tyr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |

<210> 198  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29443(F43)-VL CDR1

<400> 198

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Ala | Ser | Gln | Ser | Val | Ser | Arg | Tyr | Leu | Ala |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |

<210> 199  
 <211> 7  
 <212> PRT  
 <213> Secuencia artificial  
  
 <220>  
 <223> ADI-29443(F43)-VL CDR2  
  
 <400> 199

Asp Ala Ser Asn Arg Ala Thr  
 1 5

<210> 200  
 <211> 9  
 <212> PRT  
 <213> Secuencia artificial  
  
 <220>  
 <223> ADI-29443(F43)-VL CDR3  
  
 <400> 200

Gln Gln Phe Asp Thr Trp Pro Pro Thr  
 1 5

<210> 201  
 <211> 117  
 <212> PRT  
 <213> Secuencia artificial  
  
 <220>  
 <223> ADI-29404(F04)-VH  
  
 <400> 201

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr  
 20 25 30

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

Gly Glu Ile Asp His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
 50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

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

Val Thr Val Ser Ser  
115

<210> 202  
<211> 106  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29404 (F04) -VL

<400> 202

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

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

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

Tyr Lys 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 Glu Gln Tyr Asp Ser Tyr Pro Thr  
85 90 95

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

<210> 203  
<211> 126  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-28200-VH

<400> 203

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

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

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

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

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 204  
<211> 113  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-28200-VL

<400> 204

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 Glu Ser Ser Gln Ser Leu Leu Asn Ser  
20 25 30

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

Pro Pro Lys Pro 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 Asn  
85 90 95

Asp Tyr Ser Tyr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile  
100 105 110

Lys

<210> 205  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-28200-VH CDR2

<400> 205

Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln  
1 5 10 15

Gly

<210> 206  
<211> 19  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-28200-VH CDR3

<400> 206

Ala Arg Arg Gly Arg Lys Ala Ser Gly Ser Phe Tyr Tyr Tyr Tyr Gly  
1 5 10 15

Met Asp Val

<210> 207

<211> 17

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-28200-VH CDR1

<400> 207

Glu Ser Ser Gln Ser Leu Leu Asn Ser Gly Asn Gln Lys Asn Tyr Leu  
1 5 10 15

Thr

<210> 208

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-28200-VH CDR3

<400> 208

Gln Asn Asp Tyr Ser Tyr Pro Tyr Thr  
1 5

<210> 209

<211> 126

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379 (E79) -VH

<400> 209

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 Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

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

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Gly Ala Pro Asn Tyr Gly Asp Thr Thr His Asp Tyr Tyr Tyr  
100 105 110

Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 210

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379 (E79) -VL

<400> 210

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

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

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

Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50 55 60

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

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asp Asp Trp Pro Phe  
85 90 95

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

<210> 211  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29379 (E79) -VH CDR1 (non-Kabat)

<400> 211

Tyr Thr Phe Thr Ser Tyr Tyr Met His  
1 5

<210> 212  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29379 (E79) -VH CDR1 (non-Kabat)

<400> 212

Ser Tyr Tyr Met His  
1 5

<210> 213  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29379 (E79) -VH CDR2

<400> 213

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ile | Ile | Asn | Pro | Ser | Gly | Gly | Ser | Thr | Ser | Tyr | Ala | Gln | Lys | Phe | Gln |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Gly

<210> 214

<211> 19

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379 (E79) -VH CDR3 (non-Kabat)

<400> 214

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Gly | Ala | Pro | Asn | Tyr | Gly | Asp | Thr | Thr | His | Asp | Tyr | Tyr | Tyr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Met Asp Val

<210> 215

<211> 17

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379 (E79) -VH CDR3 (non-Kabat)

<400> 215

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ala | Pro | Asn | Tyr | Gly | Asp | Thr | Thr | His | Asp | Tyr | Tyr | Tyr | Met | Asp |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Val

<210> 216

<211> 11

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379 (E79) -VH CDR1

<400> 216

Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala  
1 5 10

<210> 217

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379(E79)-VH CDR2

<400> 217

Gly Ala Ser Thr Arg Ala Thr  
1 5

<210> 218

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29379(E79)-VH CDR3

<400> 218

Gln Gln Tyr Asp Asp Trp Pro Phe Thr  
1 5

<210> 219

<211> 124

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29463(F63)-VH

<400> 219

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 Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

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

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

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

Ala Arg Asp Thr Gly Glu Tyr Tyr Asp Thr Asp Asp His Gly Met Asp  
100 105 110

Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120

<210> 220

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-29463 (F63) -VL

<400> 220

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly  
1 5 10 15

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

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

Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50 55 60

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

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Asp Asp Tyr Trp Pro Pro  
85 90 95

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

<210> 221  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VH CDR1 (non-Kabat)

<400> 221

Tyr Thr Phe Thr Gly Tyr Tyr Met His  
1 5

<210> 222  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VH CDR1 (non-Kabat)

<400> 222

Gly Tyr Tyr Met His  
1 5

<210> 223  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VH CDR2

<400> 223

Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe Gln  
1 5 10 15

Gly

<210> 224  
<211> 17

<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VH CDR3 (non-Kabat)

<400> 224

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Asp | Thr | Gly | Glu | Tyr | Tyr | Asp | Thr | Asp | Asp | His | Gly | Met | Asp |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Val

<210> 225  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VH CDR3 (non-Kabat)

<400> 225

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Thr | Gly | Glu | Tyr | Tyr | Asp | Thr | Asp | Asp | His | Gly | Met | Asp | Val |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

<210> 226  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VL CDR1

<400> 226

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Ala | Ser | Gln | Ser | Val | Ser | Ser | Asn | Leu | Ala |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |

<210> 227  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29463 (F63) -VL CDR3

<400> 227

Gln Gln Asp Asp Tyr Trp Pro Pro Thr  
1 5

<210> 228  
<211> 121  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27744 (A44) -VH

<400> 228

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 Ser Gly Gly Ser Thr Tyr Tyr Ala 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 Lys Asp Gly Gly Tyr Tyr Asp Ser Gly Ala Gly Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 229  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27744 (A44) -VL

<400> 229

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Val Ser Tyr Pro Arg  
85 90 95

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

<210> 230

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27744 (A44)-VH CDR1 (non-Kabat)

<400> 230

Phe Thr Phe Ser Ser Tyr Ala Met Ser  
1 5

<210> 231

<211> 5

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27744 (A44)-VH CDR1 (non-Kabat)

<400> 231

Ser Tyr Ala Met Ser  
1 5

<210> 232  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27744 (A44) -VH CDR2

<400> 232

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

Gly

<210> 233  
<211> 14  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27744 (A44) -VH CDR3 (non-Kabat)

<400> 233

Ala Lys Asp Gly Gly Tyr Tyr Asp Ser Gly Ala Gly Asp Tyr  
1 5 10

<210> 234  
<211> 12  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27744 (A44) -VH CDR3 (non-Kabat)

<400> 234

Asp Gly Gly Tyr Tyr Asp Ser Gly Ala Gly Asp Tyr  
1 5 10

<210> 235  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>

<223> ADI-27744 (A44) -VL CDR1

<400> 235

Arg Ala Ser Gln Gly Ile Asp Ser Trp Leu Ala  
1 5 10

<210> 236

<211> 7

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27744 (A44) -VL CDR2

<400> 236

Ala Ala Ser Ser Leu Gln Ser  
1 5

<210> 237

<211> 9

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27744 (A44) -VL CDR3

<400> 237

Gln Gln Gly Val Ser Tyr Pro Arg Thr  
1 5

<210> 238

<211> 122

<212> PRT

<213> Secuencia artificial

<220>

<223> ADI-27749 (A49) -VH

<400> 238

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Met Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 239  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VL

<400> 239

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Val Ser Phe Pro Arg  
85 90 95

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

<210> 240  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VH CDR1 (non-Kabat)

<400> 240

Phe Thr Phe Ser Ser Tyr Ser Met Asn  
1 5

<210> 241  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VH CDR1 (non-Kabat)

<400> 241

Ser Tyr Ser Met Asn  
1 5

<210> 242  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VH CDR2

<400> 242

Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val Lys  
1 5 10 15

Gly

<210> 243  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VH CDR3 (non-Kabat)

<400> 243

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Gly | Ala | Pro | Met | Gly | Ala | Ala | Ala | Gly | Trp | Phe | Asp | Pro |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

<210> 244  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VH CDR3 (non-Kabat)

<400> 244

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ala | Pro | Met | Gly | Ala | Ala | Ala | Gly | Trp | Phe | Asp | Pro |
| 1   |     |     |     | 5   |     |     |     | 10  |     |     |     |     |

<210> 245  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-27749 (A49) -VL CDR3

<400> 245

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Gln | Gly | Val | Ser | Phe | Pro | Arg | Thr |
| 1   |     |     |     | 5   |     |     |     |     |

<210> 246  
<211> 249  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> scFv (VL-VH) con Q44C en VH y G100C en VL de ADI-27749 (A49)

<400> 246

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Val Ser Phe Pro Arg  
85 90 95

Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser  
100 105 110

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu  
115 120 125

Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly Ser  
130 135 140

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Ser  
145 150 155 160

Met Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Val Ser  
165 170 175

Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val Lys  
180 185 190

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu  
195 200 205

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

|                                                                 |                      |     |     |     |
|-----------------------------------------------------------------|----------------------|-----|-----|-----|
| 210                                                             |                      | 215 |     | 220 |
| Arg Gly Ala Pro Met Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp Gly |                      |     |     |     |
| 225                                                             |                      | 230 |     | 240 |
|                                                                 |                      |     |     |     |
| Gln Gly Thr Leu Val Thr Val Ser Ser                             |                      |     |     |     |
|                                                                 | 245                  |     |     |     |
|                                                                 |                      |     |     |     |
| <210>                                                           | 247                  |     |     |     |
| <211>                                                           | 125                  |     |     |     |
| <212>                                                           | PRT                  |     |     |     |
| <213>                                                           | Secuencia artificial |     |     |     |
|                                                                 |                      |     |     |     |
| <220>                                                           |                      |     |     |     |
| <223>                                                           | ADI-29378 (E78) -VH  |     |     |     |
|                                                                 |                      |     |     |     |
| <400>                                                           | 247                  |     |     |     |
| 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 Ala Ser Gly Tyr Thr Phe Thr Ser Tyr |                      |     |     |     |
|                                                                 | 20                   | 25  | 30  |     |
|                                                                 |                      |     |     |     |
| Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met |                      |     |     |     |
|                                                                 | 35                   | 40  | 45  |     |
|                                                                 |                      |     |     |     |
| Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe |                      |     |     |     |
|                                                                 | 50                   | 55  | 60  |     |
|                                                                 |                      |     |     |     |
| Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Glu Gly Ala Gly Phe Ala Tyr Gly Met Asp Tyr Tyr Tyr Met |                      |     |     |     |
|                                                                 | 100                  | 105 | 110 |     |
|                                                                 |                      |     |     |     |
| Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser             |                      |     |     |     |
|                                                                 | 115                  | 120 | 125 |     |
|                                                                 |                      |     |     |     |
| <210>                                                           | 248                  |     |     |     |

<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VL

<400> 248

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 Gln Ser Val Ser Ser Tyr  
20 25 30

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

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50 55 60

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

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Asp Asn Trp Pro Phe  
85 90 95

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

<210> 249  
<211> 17  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VH CDR2

<400> 249

Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe Gln  
1 5 10 15

Gly

<210> 250  
<211> 18  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VH CDR3 (non-Kabat)

<400> 250

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Arg | Glu | Gly | Ala | Gly | Phe | Ala | Tyr | Gly | Met | Asp | Tyr | Tyr | Tyr | Met |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Asp Val

<210> 251  
<211> 16  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VH CDR3 (non-Kabat)

<400> 251

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Gly | Ala | Gly | Phe | Ala | Tyr | Gly | Met | Asp | Tyr | Tyr | Tyr | Met | Asp | Val |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

<210> 252  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VL CDR1

<400> 252

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Ala | Ser | Gln | Ser | Val | Ser | Ser | Tyr | Leu | Ala |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |

<210> 253  
<211> 9  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> ADI-29378 (E78) -VL CDR3

<400> 253

Gln Gln Ser Asp Asn Trp Pro Phe Thr  
1 5

<210> 254

<211> 122

<212> PRT

<213> Secuencia artificial

<220>

<223> A49MI-VH

<400> 254

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Ile Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 255

<211> 15

<212> PRT

<213> Secuencia artificial

<220>  
<223> A49MI-VH CDR3(non-Kabat)

<400> 255

Ala Arg Gly Ala Pro Ile Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10 15

<210> 256  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MI-VH CDR3(non-Kabat)

<400> 256

Gly Ala Pro Ile Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10

<210> 257  
<211> 122  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MQ-VH

<400> 257

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Gln Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
                   100                                  105                                  110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                                  120

&lt;210&gt; 258

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Secuencia artificial

&lt;220&gt;

&lt;223&gt; A49MQ-VH CDR3 (non-Kabat)

&lt;400&gt; 258

Ala Arg Gly Ala Pro Gln Gly Ala Ala Ala Gly Trp Phe Asp Pro  
   1                                  5                                  10                                  15

&lt;210&gt; 259

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Secuencia artificial

&lt;220&gt;

&lt;223&gt; A49MQ-VH CDR3

&lt;400&gt; 259

Gly Ala Pro Gln Gly Ala Ala Ala Gly Trp Phe Asp  
   1                                  5                                  10

&lt;210&gt; 260

&lt;211&gt; 122

&lt;212&gt; PRT

&lt;213&gt; Secuencia artificial

&lt;220&gt;

&lt;223&gt; A49ML-VH

&lt;400&gt; 260

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 Ser Tyr

20

25

30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Leu Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120

&lt;210&gt; 261

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Secuencia artificial

&lt;220&gt;

&lt;223&gt; A49ML-VH CDR3 (non-Kabat)

&lt;400&gt; 261

Ala Arg Gly Ala Pro Leu Gly Ala Ala Ala Gly Trp Phe Asp Pro  
 1 5 10 15

&lt;210&gt; 262

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Secuencia artificial

&lt;220&gt;

&lt;223&gt; A49ML-VH CDR3

&lt;400&gt; 262

Gly Ala Pro Leu Gly Ala Ala Ala Gly Trp Phe Asp Pro  
 1 5 10

<210> 263  
<211> 122  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MF-VH

<400> 263

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Phe Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 264  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MF-VH CDR3 (non-Kabat)

<400> 264

Ala Arg Gly Ala Pro Phe Gly Ala Ala Ala Gly Trp Phe Asp Pro

1 5 10 15

<210> 265  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MF-VH CDR3

<400> 265

Gly Ala Pro Phe Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10

<210> 266  
<211> 122  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MV-VH

<400> 266

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Val Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 267  
<211> 15  
<212> PRT  
<213> Secuencia artificial  
  
<220>  
<223> A49MV-VH CDR3 (non-Kabat)

<400> 267

Ala Arg Gly Ala Pro Val Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10 15

<210> 268  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MV-VH CDR3

<400> 268

Gly Ala Pro Val Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10

<210> 269  
<211> 122  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49-consenso-VH

<220>  
<221> misc\_feature  
<222> (102)..(102)  
<223> Xaa = Met, Leu, Ile, Val, Gln o Phe

<400> 269

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 Ser Tyr  
20 25 30

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

Ser Ser Ile Ser Ser Ser Ser Ser Tyr 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 Gly Ala Pro Xaa Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 270  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49-consenso-VH CDR3 (non-Kabat)

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Xaa = Met, Leu, Ile, Val, Gln o Phe

<400> 270

Ala Arg Gly Ala Pro Xaa Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10 15

<210> 271  
<211> 13  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49-consenso-VH CDR3

<220>

<221> misc\_feature  
<222> (4)..(4)  
<223> Xaa = Met, Leu, Ile, Val, Gln o Phe

<400> 271

Gly Ala Pro Xaa Gly Ala Ala Ala Gly Trp Phe Asp Pro  
1 5 10

<210> 272  
<211> 121  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Ligando de NKG2D en US9,273,136-VH

<400> 272

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 Ser Tyr  
20 25 30

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

Ala Phe Ile Arg Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala 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 Lys Asp Arg Gly Leu Gly Asp Gly Thr Tyr Phe Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120

<210> 273  
<211> 110

<212> PRT  
<213> Secuencia artificial

<220>  
<223> Ligando de NKG2D en US9,273,136-VL

<400> 273

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

Ser Ile Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn  
20 25 30

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

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

Gly Ser Lys Ser Gly Thr Ser Ala Phe Leu Ala Ile Ser Gly Leu Gln  
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu  
85 90 95

Asn Gly Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105 110

<210> 274  
<211> 115  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Ligando de NKG2D en US7,879,985-VH

<400> 274

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Asp Asp Ser Ile Ser Ser Tyr  
20 25 30

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

Gly His Ile Ser Tyr Ser Gly Ser Ala Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Asn Trp Asp Asp Ala Phe Asn Ile Trp Gly Gln Gly Thr Met Val Thr  
100 105 110

Val Ser Ser  
115

<210> 275  
<211> 108  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Ligando de NKG2D en US7,879,985-VL

<400> 275

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly  
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser  
20 25 30

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

Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser  
50 55 60

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

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

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

<210> 276  
<211> 11  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MI-VL CDR1

<400> 276

Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala  
1 5 10

<210> 277  
<211> 477  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> GB102-VL-VH-Fc

<400> 277

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 278  
<211> 451  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MI-VH-CH1-Fc

<400> 278

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | Ser | Tyr | 20  | 25  | 30  |     |
| Ser | Met | Asn | Trp | Val | Arg | Gln | Ala | Pro | Gly | Lys | Gly | Leu | Glu | Trp | Val | 35  | 40  | 45  |     |
| Ser | Ser | Ile | Ser | Ser | Ser | Ser | Ser | Tyr | 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 | Gly | Ala | Pro | Ile | Gly | Ala | Ala | Ala | Gly | Trp | Phe | Asp | Pro | Trp | 100 | 105 | 110 |     |
| Gly | Gln | Gly | Thr | Leu | Val | Thr | Val | Ser | Ser | Ala | Ser | Thr | Lys | Gly | Pro | 115 | 120 | 125 |     |
| Ser | Val | Phe | Pro | Leu | Ala | Pro | Ser | Ser | Lys | Ser | Thr | Ser | Gly | Gly | Thr | 130 | 135 | 140 |     |
| Ala | Ala | Leu | Gly | Cys | Leu | Val | Lys | Asp | Tyr | Phe | Pro | Glu | Pro | Val | Thr | 145 | 150 | 155 | 160 |
| Val | Ser | Trp | Asn | Ser | Gly | Ala | Leu | Thr | Ser | Gly | Val | His | Thr | Phe | Pro | 165 | 170 | 175 |     |
| Ala | Val | Leu | Gln | Ser | Ser | Gly | Leu | Tyr | Ser | Leu | Ser | Ser | Val | Val | Thr | 180 | 185 | 190 |     |
| Val | Pro | Ser | Ser | Ser | Leu | Gly | Thr | Gln | Thr | Tyr | Ile | Cys | Asn | Val | Asn | 195 | 200 | 205 |     |
| His | Lys | Pro | Ser | Asn | Thr | Lys | Val | Asp | Lys | Lys | Val | Glu | Pro | Lys | Ser | 210 | 215 | 220 |     |

Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu  
225 230 235 240

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu  
245 250 255

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser  
260 265 270

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
275 280 285

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
290 295 300

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
305 310 315 320

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
325 330 335

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
340 345 350

Val Cys Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Glu Asn Gln Val  
355 360 365

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
370 375 380

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
385 390 395 400

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Trp Leu Thr  
405 410 415

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
420 425 430

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
435 440 445

Ser Pro Gly  
450

<210> 279  
<211> 214  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49MI-VL-CL

<400> 279

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Val Ser Phe Pro Arg  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala  
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
195 200 205

Phe Asn Arg Gly Glu Cys  
210

<210> 280  
<211> 477  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> A49-VL-VH-Fc

<400> 280

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Val Ser Phe Pro Arg  
85 90 95

Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser  
100 105 110

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu  
115 120 125

Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly Ser  
130 135 140

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Ser  
145 150 155 160

Met Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Val Ser  
165 170 175

Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val Lys  
180 185 190

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu  
195 200 205

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
210 215 220

Arg Gly Ala Pro Met Gly Ala Ala Ala Gly Trp Phe Asp Pro Trp Gly  
225 230 235 240

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 281

<211> 447

<212> PRT

<213> Secuencia artificial

<220>

<223> GB102-VH-CH1-Fc

<400> 281

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr 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 Leu Gly Gly 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 Cys Thr Leu  
340 345 350

Pro Pro Ser Arg Asp Glu Leu Thr Glu 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 Trp 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  
435 440 445

<210> 282  
<211> 218  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> GB102-VL-CL

<400> 282

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp 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> 283  
<211> 472  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 1553-VH-VL-Fc

<400> 283

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 Val Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Val Val Tyr Leu Tyr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

|         |     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Gly 130 | Gly | Gly     | Gly     | Ser     | Gly 135 | Gly     | Gly     | Ser     | Glu 140 | Ile     | Val     | Leu     | Thr     | Gln     |         |
| Ser 145 | Pro | Ala     | Thr     | Leu     | Ser 150 | Leu     | Ser     | Pro     | Gly     | Glu 155 | Arg     | Ala     | Thr     | Leu     | Ser 160 |
| Cys     | Ser | Ala     | Ser     | Ser 165 | Ser     | Val     | Ser     | Tyr     | Met 170 | His     | Trp     | Tyr     | Gln     | Gln 175 | Lys     |
| Pro     | Gly | Gln     | Ala 180 | Pro     | Arg     | Leu     | Leu     | Ile 185 | Tyr     | Asp     | Thr     | Ser     | Lys 190 | Leu     | Ala     |
| Ser     | Gly | Ile 195 | Pro     | Ala     | Arg     | Phe     | Ser 200 | Gly     | Ser     | Gly     | Ser     | Gly 205 | Thr     | Asp     | Phe     |
| Thr 210 | Leu | Thr     | Ile     | Ser     | Ser     | Leu 215 | Glu     | Pro     | Glu     | Asp     | Phe 220 | Ala     | Val     | Tyr     | Tyr     |
| Cys 225 | Gln | Gln     | Trp     | Thr     | Ser 230 | Lys     | Ser     | Pro     | Thr     | Phe 235 | Gly     | Cys     | Gly     | Thr     | Lys 240 |
| Val     | Glu | Ile     | Lys     | Gly 245 | Ser     | Asp     | Lys     | Thr     | His 250 | Thr     | Cys     | Pro     | Pro     | Cys 255 | Pro     |
| Ala     | Pro | Glu     | Leu 260 | Leu     | Gly     | Gly     | Pro     | Ser 265 | Val     | Phe     | Leu     | Phe     | Pro 270 | Pro     | Lys     |
| Pro     | Lys | Asp 275 | Thr     | Leu     | Met     | Ile     | Ser 280 | Arg     | Thr     | Pro     | Glu     | Val 285 | Thr     | Cys     | Val     |
| Val 290 | Val | Asp     | Val     | Ser     | His     | Glu 295 | Asp     | Pro     | Glu     | Val     | Lys 300 | Phe     | Asn     | Trp     | Tyr     |
| Val 305 | Asp | Gly     | Val     | Glu     | Val 310 | His     | Asn     | Ala     | Lys     | Thr 315 | Lys     | Pro     | Arg     | Glu     | Glu 320 |
| Gln     | Tyr | Asn     | Ser     | Thr 325 | Tyr     | Arg     | Val     | Val     | Ser 330 | Val     | Leu     | Thr     | Val     | Leu 335 | His     |

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys  
340 345 350

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln  
355 360 365

Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro Cys Arg Asp Glu Leu  
370 375 380

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro  
385 390 395 400

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn  
405 410 415

Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp Gly Ser Phe Thr Leu  
420 425 430

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val  
435 440 445

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln  
450 455 460

Lys Ser Leu Ser Leu Ser Pro Gly  
465 470

<210> 284  
<211> 472  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> 1689-VH-VL-Fc

<400> 284

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 Val Ser Gly Tyr Thr Phe Pro Tyr Tyr  
20 25 30

Trp Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Cys Leu Glu Trp Met  
35 40 45

Gly Asn Ile Tyr Pro Gly Ser Ser Ile Ile Asn Tyr Asn Glu Asn Phe  
50 55 60

Lys Asn Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp 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 Asn Val Tyr Leu Thr Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln  
130 135 140

Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser  
145 150 155 160

Cys Ser Ala Ser Ser Ser Val Ser Tyr Ile His Trp Tyr Gln Gln Lys  
165 170 175

Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Asp Thr Ser Lys Leu Ala  
180 185 190

Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe  
195 200 205

Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr  
210 215 220

Cys Gln Gln Trp Thr Ser Lys Ser Pro Thr Phe Gly Cys Gly Thr Lys  
225 230 235 240

Val Glu Ile Lys Gly Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro  
245 250 255

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys  
260 265 270

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val  
275 280 285

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr  
290 295 300

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu  
305 310 315 320

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His  
325 330 335

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys  
340 345 350

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln  
355 360 365

Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro Cys Arg Asp Glu Leu  
370 375 380

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro  
385 390 395 400

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn  
405 410 415

Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp Gly Ser Phe Thr Leu  
420 425 430

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val  
435 440 445

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln  
450 455 460

Lys Ser Leu Ser Leu Ser Pro Gly  
465 470

<210> 285  
<211> 477  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> GB102\_M34I-VL-VH-Fc

<400> 285

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 286  
<211> 477  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> GB102\_D101E-VL-VH-Fc

<400> 286

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 287

<211> 477

<212> PRT

<213> Secuencia artificial

<220>

<223> GB102\_M34I\_D101E-VL-VH-Fc

<400> 287

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 Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Ile His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr Tyr Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Glu Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 288  
<211> 477  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> GB99-VL-VH-Fc

<400> 288

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

Glu Arg Ala Thr Ile Asn Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr  
20 25 30

Gly Ser Ser Phe Val His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Asp  
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 Gln Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn  
85 90 95

Glu Glu Pro Trp Thr Phe Gly Cys Gly Thr Lys Val Glu Ile Lys Gly  
100 105 110

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
115 120 125

Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
130 135 140

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
145 150 155 160

Thr Arg Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu  
165 170 175

Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn  
180 185 190

Glu Lys Phe Lys Gly Arg Val Thr Ile Thr Ser Asp Thr Ser Ala Ser  
195 200 205

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val  
210 215 220

Tyr His Cys Ala Arg Trp Arg Gln Leu Gly Ser Leu Asp Ser Trp Gly  
225 230 235 240

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 289

<211> 477

<212> PRT

<213> Secuencia artificial

<220>

<223> GB89-VH-VL-Fc

<400> 289

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 Ala Ser Gly Tyr Thr Phe Thr Arg Tyr  
20 25 30

Val Met His Trp Val Arg Gln Ala Pro Gly Gln Cys Leu Glu Trp Met  
35 40 45

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Thr Lys Tyr Asn Glu Lys Phe  
50 55 60

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

Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln  
130 135 140

Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Glu Arg Ala Thr Ile Asn  
145 150 155 160

Cys Arg Ala Ser Glu Ser Val Asp Thr Tyr Gly Ser Ser Phe Val His  
165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Leu  
180 185 190

Ala Ser Asn Leu Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly  
195 200 205

Ser Arg Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp  
210 215 220

Ala Ala Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Glu Pro Trp Thr Phe  
225 230 235 240

Gly Cys Gly Thr Lys Val Glu Ile Lys Gly Ser Asp Lys Thr His Thr  
245 250 255

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe  
260 265 270

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
275 280 285

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
290 295 300

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
305 310 315 320

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
325 330 335

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
340 345 350

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
355 360 365

Lys Ala Lys Gly Gln Pro Arg Glu Pro Arg Val Tyr Thr Leu Pro Pro  
370 375 380

Cys Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val  
385 390 395 400

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly  
405 410 415

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Val Ser Asp  
420 425 430

Gly Ser Phe Thr Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp  
435 440 445

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His  
450 455 460

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
465 470 475

<210> 290  
<211> 2  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(2)  
<223> GS se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 290

Gly Ser  
1

<210> 291  
<211> 3  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(3)  
<223> GGS se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 291

Gly Gly Ser  
1

<210> 292  
<211> 4  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(4)  
<223> GGGS se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 292

Gly Gly Gly Ser  
1

<210> 293  
<211> 4  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(4)  
<223> GGSG se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 293

Gly Gly Ser Gly  
1

<210> 294  
<211> 5  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(5)  
<223> GGSGG se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 294

Gly Gly Ser Gly Gly  
1 5

<210> 295  
<211> 5

<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<220>  
<221> REPETIR  
<222> (1)..(5)  
<223> GGGGS se puede repetir n veces, n puede ser 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 o 20

<400> 295

Gly Gly Gly Gly Ser  
1 5

<210> 296  
<211> 20  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 296

Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser  
1 5 10 15

Gly Ser Gly Ser  
20

<210> 297  
<211> 30  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 297

Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly  
1 5 10 15

Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser  
20 25 30

<210> 298  
<211> 40  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 298

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser  
20 25 30

Gly Gly Gly Ser Gly Gly Gly Ser  
35 40

<210> 299  
<211> 40  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 299

Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly  
20 25 30

Gly Gly Ser Gly Gly Gly Ser Gly  
35 40

<210> 300  
<211> 50  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 300

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
1 5 10 15

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
20 25 30

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
35 40 45

Gly Gly  
50

<210> 301  
<211> 50  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 301

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
35 40 45

Gly Ser  
50

<210> 302  
<211> 15  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 302

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
1 5 10 15

<210> 303  
<211> 100  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 303

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
20 25 30

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
35 40 45

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
50 55 60

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
65 70 75 80

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
85 90 95

Gly Gly Gly Ser  
100

<210> 304  
<211> 100  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Secuencia enlazadora

<400> 304

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
1 5 10 15

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
20 25 30

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
35 40 45

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
50 55 60

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly  
65 70 75 80

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly  
85 90 95

Gly Ser Gly Gly  
100

<210> 305

<211> 106

<212> PRT

<213> Secuencia artificial

<220>

<223> variante TriNKET con dominio variable de cadena ligera mutante

<400> 305

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

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

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

Tyr Glu Ala Ser Ser Thr Lys 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 Tyr Asp Asp Leu Pro Thr  
85 90 95

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

<210> 306  
<211> 118  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> mAb alpha-FLT3 4G8-Synimmune VH

<400> 306

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

Ser Leu Lys Leu Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Trp Met His Trp Val Arg Gln Arg Pro Gly His Gly Leu Glu Trp Ile  
35 40 45

Gly Glu Ile Asp Pro Ser Asp Ser Tyr Lys Asp Tyr Asn Gln Lys Phe  
50 55 60

Lys Asp Lys Ala Thr Leu Thr Val Asp Arg Ser Ser Asn Thr Ala Tyr  
65 70 75 80

Met His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Tyr Cys  
85 90 95

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

Thr Leu Thr Val Ser Ser  
115

<210> 307  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 4G8-Synimmune VL

<400> 307

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

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

Leu His Trp Tyr Gln Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile  
35 40 45

Lys Tyr Ala Ser Gln 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 Thr  
65 70 75 80

Glu Asp Phe Gly Val Tyr Phe Cys Gln Gln Ser Asn Thr Trp Pro Tyr  
85 90 95

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

<210> 308

<211> 119

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 EB10-ImClone&Lilly VH

<400> 308

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 Ser Tyr  
20 25 30

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

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

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

Thr Thr Val Thr Val Ser Ser  
115

<210> 309

<211> 112

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 EB10-ImClone&Lilly VL

<400> 309

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

Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser  
20 25 30

Asn Gly Asn Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
35 40 45

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

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

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

Thr His Pro Ala Ile Ser Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys  
100 105 110

<210> 310

<211> 122

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 NC7 ImClone&Lilly VH

<400> 310

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

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

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

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

Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120

<210> 311

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 NC7 ImClone&Lilly VL

<400> 311

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 Ser Ser Tyr  
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

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

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

<210> 312

<211> 124

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 FL23 (Amgen) VH

<400> 312

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

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

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

Trp Leu Ala His Ile Phe Ser Asn Asp Glu Lys Ser Tyr Ser Thr Ser  
50 55 60

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

Val Leu Thr Leu Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Phe  
85 90 95

Cys Ala Arg Met Pro Glu Tyr Ser Ser Gly Trp Ser Gly Ala Phe Asp  
100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser  
115 120

<210> 313

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 FL23 (Amgen) VL

<400> 313

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 Gly Tyr Asp  
20 25 30

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

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

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

Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Phe Pro Trp  
85 90 95

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

<210> 314  
<211> 124  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> mAb alpha-FLT3 FL39(Amgen) VH

<400> 314

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

Thr Leu Thr Leu Thr Cys Thr Leu Ser Gly Phe Ser Leu Asn Asn Ala  
20 25 30

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

Trp Leu Ala His Ile Phe Ser Asn Asp Glu Lys Ser Tyr Ser Thr Ser  
50 55 60

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

Val Leu Thr Met Thr Asn Val Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 315  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> mAb alpha-FLT3 FL39(Amgen) VL

<400> 315

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 Gly Ile Arg Asn Asp  
20 25 30

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

Tyr Ala Ala Ser Thr 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 Leu Gln His Asn Ser Tyr Pro Leu  
85 90 95

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

<210> 316

<211> 129

<212> PRT

<213> Secuencia artificial

<220>

<223> mAb alpha-FLT3 FL61 (Amgen) VH

<400> 316

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

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

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

Ala Val Ile Ser Tyr Asp Gly Ser Asn Glu Phe Tyr Ala 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 Gly Gly Glu Ile Thr Met Val Arg Gly Val Ile Gly Tyr Tyr  
100 105 110

Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser  
115 120 125

Ser

<210> 317  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> mAb alpha-FLT3 FL61 (Amgen) VL

<400> 317

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 Ser Ser Tyr  
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys 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 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 Leu Gln His Asn Ser Tyr Pro Leu  
85 90 95

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

<210> 318

<211> 517

<212> PRT

<213> Secuencia artificial

<220>

<223> región extracelular de hFLT3-T227M

<400> 318

Asn Gln Asp Leu Pro Val Ile Lys Cys Val Leu Ile Asn His Lys Asn  
1 5 10 15

Asn Asp Ser Ser Val Gly Lys Ser Ser Ser Tyr Pro Met Val Ser Glu  
20 25 30

Ser Pro Glu Asp Leu Gly Cys Ala Leu Arg Pro Gln Ser Ser Gly Thr  
35 40 45

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

Leu Gln Val Leu Val Asp Ala Pro Gly Asn Ile Ser Cys Leu Trp Val  
65 70 75 80

Phe Lys His Ser Ser Leu Asn Cys Gln Pro His Phe Asp Leu Gln Asn  
85 90 95

Arg Gly Val Val Ser Met Val Ile Leu Lys Met Thr Glu Thr Gln Ala  
100 105 110

Gly Glu Tyr Leu Leu Phe Ile Gln Ser Glu Ala Thr Asn Tyr Thr Ile  
115 120 125

Leu Phe Thr Val Ser Ile Arg Asn Thr Leu Leu Tyr Thr Leu Arg Arg  
130 135 140

Pro Tyr Phe Arg Lys Met Glu Asn Gln Asp Ala Leu Val Cys Ile Ser  
145 150 155 160

Glu Ser Val Pro Glu Pro Ile Val Glu Trp Val Leu Cys Asp Ser Gln  
165 170 175

Gly Glu Ser Cys Lys Glu Glu Ser Pro Ala Val Val Lys Lys Glu Glu  
180 185 190

Lys Val Leu His Glu Leu Phe Gly Met Asp Ile Arg Cys Cys Ala Arg  
195 200 205

Asn Glu Leu Gly Arg Glu Cys Thr Arg Leu Phe Thr Ile Asp Leu Asn  
210 215 220

Gln Thr Pro Gln Thr Thr Leu Pro Gln Leu Phe Leu Lys Val Gly Glu  
225 230 235 240

Pro Leu Trp Ile Arg Cys Lys Ala Val His Val Asn His Gly Phe Gly  
245 250 255

Leu Thr Trp Glu Leu Glu Asn Lys Ala Leu Glu Glu Gly Asn Tyr Phe  
260 265 270

Glu Met Ser Thr Tyr Ser Thr Asn Arg Thr Met Ile Arg Ile Leu Phe  
275 280 285

Ala Phe Val Ser Ser Val Ala Arg Asn Asp Thr Gly Tyr Tyr Thr Cys  
290 295 300

Ser Ser Ser Lys His Pro Ser Gln Ser Ala Leu Val Thr Ile Val Glu  
305 310 315 320

Lys Gly Phe Ile Asn Ala Thr Asn Ser Ser Glu Asp Tyr Glu Ile Asp  
325 330 335

Gln Tyr Glu Glu Phe Cys Phe Ser Val Arg Phe Lys Ala Tyr Pro Gln  
340 345 350

Ile Arg Cys Thr Trp Thr Phe Ser Arg Lys Ser Phe Pro Cys Glu Gln  
355 360 365

Lys Gly Leu Asp Asn Gly Tyr Ser Ile Ser Lys Phe Cys Asn His Lys  
370 375 380

His Gln Pro Gly Glu Tyr Ile Phe His Ala Glu Asn Asp Asp Ala Gln  
385 390 395 400

Phe Thr Lys Met Phe Thr Leu Asn Ile Arg Arg Lys Pro Gln Val Leu  
405 410 415

Ala Glu Ala Ser Ala Ser Gln Ala Ser Cys Phe Ser Asp Gly Tyr Pro  
420 425 430

Leu Pro Ser Trp Thr Trp Lys Lys Cys Ser Asp Lys Ser Pro Asn Cys  
435 440 445

Thr Glu Glu Ile Thr Glu Gly Val Trp Asn Arg Lys Ala Asn Arg Lys  
450 455 460

Val Phe Gly Gln Trp Val Ser Ser Ser Thr Leu Asn Met Ser Glu Ala  
465 470 475 480

Ile Lys Gly Phe Leu Val Lys Cys Cys Ala Tyr Asn Ser Leu Gly Thr  
485 490 495

Ser Cys Glu Thr Ile Leu Leu Asn Ser Pro Gly Pro Phe Pro Phe Ile  
500 505 510

Gln Asp Asn Ile Ser  
515

<210> 319  
<211> 517  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> región extracelular de hFLT3-ITD

<400> 319

Asn Gln Asp Leu Pro Val Ile Lys Cys Val Leu Ile Asn His Lys Asn  
1 5 10 15

Asn Asp Ser Ser Val Gly Lys Ser Ser Ser Tyr Pro Met Val Ser Glu  
20 25 30

Ser Pro Glu Asp Leu Gly Cys Ala Leu Arg Pro Gln Ser Ser Gly Thr  
35 40 45

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

Leu Gln Val Leu Val Asp Ala Pro Gly Asn Ile Ser Cys Leu Trp Val  
65 70 75 80

Phe Lys His Ser Ser Leu Asn Cys Gln Pro His Phe Asp Leu Gln Asn  
85 90 95

Arg Gly Val Val Ser Met Val Ile Leu Lys Met Thr Glu Thr Gln Ala  
100 105 110

Gly Glu Tyr Leu Leu Phe Ile Gln Ser Glu Ala Thr Asn Tyr Thr Ile  
115 120 125

Leu Phe Thr Val Ser Ile Arg Asn Thr Leu Leu Tyr Thr Leu Arg Arg  
130 135 140

Pro Tyr Phe Arg Lys Met Glu Asn Gln Asp Ala Leu Val Cys Ile Ser  
145 150 155 160

Glu Ser Val Pro Glu Pro Ile Val Glu Trp Val Leu Cys Asp Ser Gln  
165 170 175

Gly Glu Ser Cys Lys Glu Glu Ser Pro Ala Val Val Lys Lys Glu Glu  
180 185 190

Lys Val Leu His Glu Leu Phe Gly Thr Asp Ile Arg Cys Cys Ala Arg  
195 200 205

Asn Glu Leu Gly Arg Glu Cys Thr Arg Leu Phe Thr Ile Asp Leu Asn  
210 215 220

Gln Thr Pro Gln Thr Thr Leu Pro Gln Leu Phe Leu Lys Val Gly Glu  
225 230 235 240

Pro Leu Trp Ile Arg Cys Lys Ala Val His Val Asn His Gly Phe Gly  
245 250 255

Leu Thr Trp Glu Leu Glu Asn Lys Ala Leu Glu Glu Gly Asn Tyr Phe  
260 265 270

Glu Met Ser Thr Tyr Ser Thr Asn Arg Thr Met Ile Arg Ile Leu Phe  
275 280 285

Ala Phe Val Ser Ser Val Ala Arg Asn Asp Thr Gly Tyr Tyr Thr Cys  
290 295 300

Ser Ser Ser Lys His Pro Ser Gln Ser Ala Leu Val Thr Ile Val Glu  
305 310 315 320

Lys Gly Phe Ile Asn Ala Thr Asn Ser Ser Glu Asp Tyr Glu Ile Asp  
325 330 335

Gln Tyr Glu Glu Phe Cys Phe Ser Val Arg Phe Lys Ala Tyr Pro Gln  
340 345 350

Ile Arg Cys Thr Trp Thr Phe Ser Arg Lys Ser Phe Pro Cys Glu Gln  
355 360 365

Lys Gly Leu Asp Asn Gly Tyr Ser Ile Ser Lys Phe Cys Asn His Lys  
370 375 380

His Gln Pro Gly Glu Tyr Ile Phe His Ala Glu Asn Asp Asp Ala Gln  
385 390 395 400

Phe Thr Lys Met Phe Thr Leu Asn Ile Arg Arg Lys Pro Gln Val Leu  
405 410 415

Ala Glu Ala Ser Ala Ser Gln Ala Ser Cys Phe Ser Asp Gly Tyr Pro  
420 425 430

Leu Pro Ser Trp Thr Trp Lys Lys Cys Ser Asp Lys Ser Pro Asn Cys  
435 440 445

Thr Glu Glu Ile Thr Glu Gly Val Trp Asn Arg Lys Ala Asn Arg Lys  
450 455 460

Val Phe Gly Gln Trp Val Ser Ser Ser Thr Leu Asn Met Ser Glu Ala  
465 470 475 480

Ile Lys Gly Phe Leu Val Lys Cys Cys Ala Tyr Asn Ser Leu Gly Thr  
485 490 495

Ser Cys Glu Thr Ile Leu Leu Asn Ser Pro Gly Pro Phe Pro Phe Ile  
500 505 510

Gln Asp Asn Ile Ser  
515

