

MUT 14F7 amended_ST25 CO
SEQUENCE LISTING

<110> CENTRO DE INMUNOLOGIA MOLECULAR

<120> ANTICUERPOS RECOMBINANTES CON ESPECIFICIDAD DUAL POR GANGLIOSIDOS

<130> 422014C000

<140> P3582

<141> 2014-02-21

<160> 39

<170> PatentIn version 3.5

<210> 1

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> Recombinant

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

Ser Met Lys Met Ser Cys Arg Ala Ser Gly Tyr Arg Phe Arg Ser Tyr
20 25 30

Gln Ile His Trp Leu Lys Gln Arg Pro Asp Gln Gly Leu Glu Trp Ile
35 40 45

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

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

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

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Ala Arg Glu Ser Pro Arg Leu Arg Arg Gly Ile Tyr Tyr Tyr Ala Met
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
 115 120 125

<210> 2
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Asp Leu Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly
 1 5 10 15

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

Leu His Trp Tyr Gln Gln Arg Thr 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 Ile Ser Val Glu Thr
 65 70 75 80

Glu Asp Phe Gly Met Tyr Phe Cys Gln Gln Ser Asn Arg Trp Pro Leu
 85 90 95

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

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Gly	Tyr	Arg	Phe	Arg	Ser	Tyr	Gln	Ile	His
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Gly	Tyr	Ser	Phe	Thr	Arg	Tyr	Gln	Ile	His
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Gly	Tyr	Arg	Phe	Thr	Ser	Asn	Gln	Ile	His
1				5					10

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MUT 14F7 amended_ST25 CO

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Gly	Tyr	Ser	Phe	Asn	Arg	Tyr	Gln	Ile	His
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Gly	Tyr	Ser	Phe	Arg	Arg	Tyr	Gln	Ile	His
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Gly	Tyr	Ser	Ile	Thr	Arg	Tyr	Gln	Ile	His
1				5					10

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Gly	Tyr	Ser	Phe	Thr	Arg	Tyr	Gln	Ile	His
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<400> 10

Gly Tyr Ser Phe Lys Ser Tyr Gln Ile His
1 5 10

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<400> 11

Gly Tyr Ser Phe Thr Ser Tyr Gln Ile His
1 5 10

<210> 12
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<400> 12

Gly Tyr Arg Phe Thr Arg Tyr Trp Ile His
1 5 10

<210> 13
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<400> 13

Gly Tyr Thr Phe Thr Arg Tyr Gln Ile His
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<210> 14

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Gly Tyr Pro Phe Thr Arg Tyr Gln Ile His
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Gly Tyr Ser Phe Ser Arg Tyr Gln Ile Val
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<400> 16

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Gly Tyr His Phe Thr Arg Tyr Gln Ile His
1 5 10

<210> 17
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<400> 17

Tyr Ile Asp Pro Ala Thr Ala Tyr Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 18
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<400> 18

Tyr Ile Asn Pro Ala Thr Ala Ser Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 19
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MUT 14F7 amended_ST25 CO

<400> 19

Phe Ile Asp Pro Ala Thr Ala Tyr Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 20

<211> 17

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Asp Ile Asp Pro Gly Arg Ala Tyr Thr Glu Ser Asn Gln Lys Phe Lys
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Asp

<210> 21

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<400> 21

Tyr Ile Asp Pro Ala Thr Ala Asn Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 22

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MUT 14F7 amended_ST25 CO

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<400> 22

Phe	Ile	Asn	Pro	Ala	Thr	Ala	Tyr	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

<210> 23

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<400> 23

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

Asp

<210> 24

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<400> 24

Tyr	Ile	Asp	Pro	Ala	Thr	Ala	Lys	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

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Asp

<210> 25
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<400> 25

Tyr	Ile	Asn	Pro	Gly	Ser	Ala	Tyr	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

<210> 26
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<400> 26

Tyr	Leu	Asp	Pro	Ala	Asn	Ala	Tyr	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

<210> 27
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MUT 14F7 amended_ST25 CO

<400> 27

Tyr Val Asp Pro Ala Asn Ala Tyr Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 28

<211> 17

<212> PRT

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<400> 28

Tyr Ile Asn Pro Ala Thr Ala Tyr Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 29

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<400> 29

Tyr Ile Asp Pro Ala Thr Ala Trp Thr Glu Ser Asn Gln Lys Phe Lys
1 5 10 15

Asp

<210> 30

<211> 17

MUT 14F7 amended_ST25 CO

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<400> 30

Tyr	Ile	Asp	Pro	Gly	Thr	Ala	Tyr	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

<210> 31
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<400> 31

Tyr	Ile	Asp	Pro	Arg	Thr	Ala	Tyr	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

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Tyr	Val	Asp	Pro	Ala	Thr	Ala	His	Thr	Glu	Ser	Asn	Gln	Lys	Phe	Lys
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Asp

<210> 33
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<400> 33

Tyr	Ile	Asn	Pro	Ala	Thr	Ala	Tyr	Thr	Asp	Ser	Asn	Gln	Lys	Phe	Lys
1				5					10					15	

Asp

<210> 34
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<400> 34

Glu	Ser	Pro	Arg	Leu	Arg	Arg	Gly	Ile	Tyr	Tyr	Tyr	Ala	Met	Asp	Tyr
1				5					10					15	

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<400> 35

Glu	Ser	Pro	Arg	Phe	Arg	Arg	Gly	Arg	Tyr	Tyr	Tyr	Ala	Met	Asp	Tyr
1				5					10					15	

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<210> 36
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<220>
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<400> 36

Glu	Ser	Pro	Arg	Met	Arg	Arg	Gly	Ile	Tyr	Tyr	Tyr	Ala	Met	Asp	Tyr
1				5					10					15	

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<400> 37

Glu	Ser	Pro	Arg	Val	Arg	Arg	Gly	Ile	Tyr	Tyr	Tyr	Ala	Met	Asp	Tyr
1				5					10					15	

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<400> 38

Glu	Ser	Pro	Arg	Leu	Arg	Arg	Gly	Leu	Tyr	Tyr	Tyr	Ala	Met	Asp	Tyr
1				5					10					15	

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

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

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile
35 40 45

Val Tyr Thr Ser Arg Leu His 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

Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Pro
85 90 95

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