

SEQUENCE LISTING

<110> Novo Nordisk A/S
 <120> Antibodies that are capable of blocking Triggering Receptor
 Expressed on Myeloid Cells-1 (TREM-1)
 <130> 8492
 <160> 23
 <170> PatentIn version 3.5
 <210> 1
 <211> 234
 <212> PRT
 <213> Homo Sapiens
 <400> 1
 Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
 1 5 10 15
 Glu Leu Arg Ala Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys
 20 25 30
 Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe
 35 40 45
 Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
 50 55 60
 Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
 65 70 75 80
 Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu
 85 90 95
 Arg Val Arg Met Val Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln
 100 105 110
 Cys Val Ile Tyr Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg
 115 120 125
 Ile Arg Leu Val Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn
 130 135 140
 Glu Asn Ser Thr Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys
 145 150 155 160

Ala Leu Cys Pro Leu Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro
165 170 175

Pro Lys Ser Thr Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu
180 185 190

Thr Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile
195 200 205

Leu Leu Ala Gly Gly Phe Leu Ser Lys Ser Leu Val Phe Ser Val Leu
210 215 220

Phe Ala Val Thr Leu Arg Ser Phe Val Pro
225 230

<210> 2
<211> 121
<212> PRT
<213> Mus musculus

<400> 2

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

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

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

Ala Arg Ile Arg Thr Lys Ser Ser Asn Tyr Ala Thr Tyr Tyr Ala Asp
50 55 60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Gln Asn Met
65 70 75 80

Leu Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Met Tyr
85 90 95

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

Gln Gly Thr Leu Val Thr Val Ser Ala
115 120

<210> 3

<211> 112
<212> PRT
<213> Mus musculus

<400> 3

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 Thr Phe
20 25 30

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

<210> 4
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<223> heavy chain of a humanised TREM-1 antibody

<220>
<221> CHAIN
<222> (1)..(448)
<223> heavy chain of a humanised TREM-1 antibody

<400> 4

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

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

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

Lys Thr Lys Pro Arg Glu Glu Gln Phe 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 Gly Leu Pro Ser Ser Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Glu 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 Leu Gly Lys
435 440 445

<210> 5
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> light chain of a humanised TREM-1 antibody

<220>
<221> CHAIN
<222> (1)..(218)
<223> light chain of a humanised TREM-1 antibody

<400> 5

Asp Ile Val Leu 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 Phe
20 25 30

Asp Tyr Ser Phe Leu 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 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 Ser Asn
85 90 95

Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu 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> 6

<211> 448

<212> PRT

<213> Artificial Sequence

<220>

<223> heavy chain of a humanised TREM-1 antibody

<220>

<221> CHAIN

<222> (1)..(448)

<223> heavy chain of a humanised TREM-1 antibody

<400> 6

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

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

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

Gly Arg Ile Arg Thr Lys Ser Ser Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

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

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly
 210 215 220

Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe 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 Gln Glu Asp Pro
 260 265 270

Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
 275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Phe 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 Gly Leu Pro Ser Ser Ile Glu Lys Thr
 325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
 340 345 350

Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
 355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
 370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
 385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser
 405 410 415

Arg Trp Gln Glu 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 Leu Gly Lys
 435 440 445

<210> 7
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> light chain of a humanised TREM-1 antibody

<220>
<221> CHAIN
<222> (1)..(218)
<223> light chain of a humanised TREM-1 antibody

<400> 7

Asp Ile Val Leu 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 Phe
20 25 30

Asp Tyr Ser Phe Leu 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 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 Ser Asn
85 90 95

Glu Asp Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu 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> 8
<211> 121
<212> PRT
<213> Mus musculus

<400> 8

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

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Thr Tyr
20 25 30

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

Ala Arg Ile Arg Thr Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Val Asp
50 55 60

Ser Val Lys Asp Arg Ile Thr Ile Ser Arg Asp Asp Ser Gln Ser Met
65 70 75 80

Leu Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Met Tyr
85 90 95

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

Gln Gly Thr Leu Val Thr Val Ser Ala
115 120

<210> 9
<211> 112
<212> PRT
<213> Mus musculus

<400> 9

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 Ser Phe
20 25 30

Gly Ile Ser Phe Met His Trp Tyr Gln Gln Ser 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 Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105 110

<210> 10
<211> 121
<212> PRT
<213> Mus musculus

<400> 10

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

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

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

Ala Arg Ile Arg Thr Lys Ser Ser Asn Tyr Ala Thr Tyr Tyr Ala Asp
50 55 60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Gln Asn Met
65 70 75 80

Leu Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Met Tyr
85 90 95

Tyr Cys Val Arg Asp Met Gly Gln Arg Arg Gln Phe Ala Tyr Trp Gly

	100		105		110
Gln Gly Thr Leu Val Thr Val Ser Ala					
	115		120		
<210> 11 <211> 112 <212> PRT <213> Mus musculus <400> 11					
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 Thr Phe					
	20		25		30
Asp Tyr Ser Phe Leu 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 Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Glu Arg					
	100		105		110
<210> 12 <211> 180 <212> PRT <213> Macaca fascicularis <400> 12					
Met Thr Thr Glu Leu Thr Glu Glu Lys Tyr Glu Tyr Lys Glu Gly Gln					
1	5		10		15
Thr Leu Glu Val Lys Cys Asp Tyr Ala Leu Glu Lys Tyr Ala Asn Ser					
	20		25		30
Arg Lys Ala Trp Gln Lys Met Glu Gly Lys Met Pro Lys Ile Leu Ala					
	35		40		45

Lys Thr Glu Arg Pro Ser Glu Asn Ser His Pro Val Gln Val Gly Arg
50 55 60

Ile Thr Leu Glu Asp Tyr Pro Asp His Gly Leu Leu Gln Val Gln Met
65 70 75 80

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

Gln His Pro Lys Glu Ser His Val Leu Phe Asn Pro Ile Cys Leu Val
100 105 110

Val Thr Lys Gly Ser Ser Gly Thr Pro Gly Ser Ser Glu Asn Ser Thr
115 120 125

Gln Asn Val Tyr Arg Thr Pro Ser Thr Thr Ala Lys Ala Leu Gly Pro
130 135 140

Arg Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Glu Ser Thr
145 150 155 160

Val Val Val Ser Thr Pro Gly Ser Glu Ile Asn Leu Thr Asn Val Thr
165 170 175

Asp Ile Ile Arg
180

<210> 13
<211> 206
<212> PRT
<213> Artificial sequence

<220>
<223> K20A-hTREM-1-Cmyc2-His6

<400> 13

Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys Glu Gly Gln Thr
1 5 10 15

Leu Asp Val Ala Cys Asp Tyr Thr Leu Glu Lys Phe Ala Ser Ser Gln
20 25 30

Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro Lys Thr Leu Ala
35 40 45

Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val Gln Val Gly Arg

50		55		60	
Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu Arg Val Arg Met					
65		70		75	80
Val Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln Cys Val Ile Tyr					
	85		90		95
Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg Ile Arg Leu Val					
	100		105		110
Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn Glu Asn Ser Thr					
	115		120		125
Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys Ala Leu Cys Pro					
	130		135		140
Leu Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Lys Ser Thr					
	145		150		155
Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu Thr Asn Val Thr					
	165		170		175
Asp Ile Ile Arg Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Glu Gln					
	180		185		190
Lys Leu Ile Ser Glu Glu Asp Leu His His His His His His					
	195		200		205
<210> 14					
<211> 205					
<212> PRT					
<213> Artificial sequence					
<220>					
<223> A24/Y28F/N30S/R32Q/P70H-cTREM-1-Cmyc2-His6					
<400> 14					
Thr Thr Glu Leu Thr Glu Glu Lys Tyr Glu Tyr Lys Glu Gly Gln Thr					
1		5		10	15
Leu Glu Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe Ala Ser Ser Gln					
	20		25		30
Lys Ala Trp Gln Lys Met Glu Gly Lys Met Pro Lys Ile Leu Ala Lys					
	35		40		45

Thr Glu Arg Pro Ser Glu Asn Ser His Pro Val Gln Val Gly Arg Ile
50 55 60

Thr Leu Glu Asp Tyr His Asp His Gly Leu Leu Gln Val Gln Met Thr
65 70 75 80

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

His Pro Lys Glu Ser His Val Leu Phe Asn Pro Ile Cys Leu Val Val
100 105 110

Thr Lys Gly Ser Ser Gly Thr Pro Gly Ser Ser Glu Asn Ser Thr Gln
115 120 125

Asn Val Tyr Arg Thr Pro Ser Thr Thr Ala Lys Ala Leu Gly Pro Arg
130 135 140

Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Glu Ser Thr Val
145 150 155 160

Val Val Ser Thr Pro Gly Ser Glu Ile Asn Leu Thr Asn Val Thr Asp
165 170 175

Ile Ile Arg Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Glu Gln Lys
180 185 190

Leu Ile Ser Glu Glu Asp Leu His His His His His His
195 200 205

<210> 15

<211> 205

<212> PRT

<213> Artificial sequence

<220>

<223> A24T/Y28F/N30S/R32Q/E54K-cTREM-1-Cmyc2-His6

<400> 15

Thr Thr Glu Leu Thr Glu Glu Lys Tyr Glu Tyr Lys Glu Gly Gln Thr
1 5 10 15

Leu Glu Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe Ala Ser Ser Gln
20 25 30

Lys Ala Trp Gln Lys Met Glu Gly Lys Met Pro Lys Ile Leu Ala Lys

35	40	45
Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val Gln Val Gly Arg Ile		
50	55	60
Thr Leu Glu Asp Tyr Pro Asp His Gly Leu Leu Gln Val Gln Met Thr		
65	70	75
Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln Cys Val Ile Tyr Gln		
85	90	95
His Pro Lys Glu Ser His Val Leu Phe Asn Pro Ile Cys Leu Val Val		
100	105	110
Thr Lys Gly Ser Ser Gly Thr Pro Gly Ser Ser Glu Asn Ser Thr Gln		
115	120	125
Asn Val Tyr Arg Thr Pro Ser Thr Thr Ala Lys Ala Leu Gly Pro Arg		
130	135	140
Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Glu Ser Thr Val		
145	150	155
Val Val Ser Thr Pro Gly Ser Glu Ile Asn Leu Thr Asn Val Thr Asp		
165	170	175
Ile Ile Arg Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Glu Gln Lys		
180	185	190
Leu Ile Ser Glu Glu Asp Leu His His His His His His		
195	200	205

<210> 16
 <211> 29
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Primer

<400> 16
 tagtagggat ccgctggtgc acaggaagg
 29

<210> 17
 <211> 32
 <212> DNA
 <213> Artificial sequence

<220>
<223> Primer

<400> 17
tagtaggcgg ccgcttcgtg ggcctagggt ac
32

<210> 18
<211> 140
<212> PRT
<213> Artificial sequence

<220>
<223> hTREM-1-IgV-His6

<400> 18

Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
1 5 10 15

Glu Leu Arg Ala Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys
20 25 30

Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe
35 40 45

Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
50 55 60

Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
65 70 75 80

Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu
85 90 95

Arg Val Arg Met Val Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln
100 105 110

Cys Val Ile Tyr Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg
115 120 125

Ile Arg Leu Val Val Thr His His His His His His
130 135 140

<210> 19
<211> 205
<212> PRT
<213> Artificial sequence

<220>

<223> cTREM-1-Cmyc2-His6

<400> 19

Thr Thr Glu Leu Thr Glu Glu Lys Tyr Glu Tyr Lys Glu Gly Gln Thr
1 5 10 15

Leu Glu Val Lys Cys Asp Tyr Ala Leu Glu Lys Tyr Ala Asn Ser Arg
20 25 30

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

Thr Glu Arg Pro Ser Glu Asn Ser His Pro Val Gln Val Gly Arg Ile
50 55 60

Thr Leu Glu Asp Tyr Pro Asp His Gly Leu Leu Gln Val Gln Met Thr
65 70 75 80

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

His Pro Lys Glu Ser His Val Leu Phe Asn Pro Ile Cys Leu Val Val
100 105 110

Thr Lys Gly Ser Ser Gly Thr Pro Gly Ser Ser Glu Asn Ser Thr Gln
115 120 125

Asn Val Tyr Arg Thr Pro Ser Thr Thr Ala Lys Ala Leu Gly Pro Arg
130 135 140

Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Glu Ser Thr Val
145 150 155 160

Val Val Ser Thr Pro Gly Ser Glu Ile Asn Leu Thr Asn Val Thr Asp
165 170 175

Ile Ile Arg Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Glu Gln Lys
180 185 190

Leu Ile Ser Glu Glu Asp Leu His His His His His His
195 200 205

<210> 20

<211> 206

<212> PRT

<213> Artificial sequence

<220>

<223> hTREM-1-Cmyc2-His6

<400> 20

Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys Glu Gly Gln Thr
1 5 10 15

Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe Ala Ser Ser Gln
20 25 30

Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro Lys Thr Leu Ala
35 40 45

Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val Gln Val Gly Arg
50 55 60

Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu Arg Val Arg Met
65 70 75 80

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

Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg Ile Arg Leu Val
100 105 110

Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn Glu Asn Ser Thr
115 120 125

Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys Ala Leu Cys Pro
130 135 140

Leu Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro Lys Ser Thr
145 150 155 160

Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu Thr Asn Val Thr
165 170 175

Asp Ile Ile Arg Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Glu Gln
180 185 190

Lys Leu Ile Ser Glu Glu Asp Leu His His His His His His
195 200 205

<210> 21

<211> 233
<212> PRT
<213> Macaca fascicularis

<400> 21

Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
1 5 10 15

Glu Leu Arg Ala Thr Thr Glu Leu Thr Glu Glu Lys Tyr Glu Tyr Lys
20 25 30

Glu Gly Gln Thr Leu Glu Val Lys Cys Asp Tyr Ala Leu Glu Lys Tyr
35 40 45

Ala Asn Ser Arg Lys Ala Trp Gln Lys Met Glu Gly Lys Met Pro Lys
50 55 60

Ile Leu Ala Lys Thr Glu Arg Pro Ser Glu Asn Ser His Pro Val Gln
65 70 75 80

Val Gly Arg Ile Thr Leu Glu Asp Tyr Pro Asp His Gly Leu Leu Gln
85 90 95

Val Gln Met Thr Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln Cys
100 105 110

Val Ile Tyr Gln His Pro Lys Glu Ser His Val Leu Phe Asn Pro Ile
115 120 125

Cys Leu Val Val Thr Lys Gly Ser Ser Gly Thr Pro Gly Ser Ser Glu
130 135 140

Asn Ser Thr Gln Asn Val Tyr Arg Thr Pro Ser Thr Thr Ala Lys Ala
145 150 155 160

Leu Gly Pro Arg Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro Pro
165 170 175

Glu Ser Thr Val Val Val Ser Thr Pro Gly Ser Glu Ile Asn Leu Thr
180 185 190

Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile Ile
195 200 205

Val Ala Gly Gly Phe Leu Ser Lys Ser Leu Val Phe Ser Val Leu Phe
210 215 220

Ala Val Thr Leu Arg Ser Phe Gly Pro
225 230

<210> 22
<211> 230
<212> PRT
<213> Mus musculus

<400> 22

Met Arg Lys Ala Gly Leu Trp Gly Leu Leu Cys Val Phe Phe Val Ser
1 5 10 15

Glu Val Lys Ala Ala Ile Val Leu Glu Glu Glu Arg Tyr Asp Leu Val
20 25 30

Glu Gly Gln Thr Leu Thr Val Lys Cys Pro Phe Asn Ile Met Lys Tyr
35 40 45

Ala Asn Ser Gln Lys Ala Trp Gln Arg Leu Pro Asp Gly Lys Glu Pro
50 55 60

Leu Thr Leu Val Val Thr Gln Arg Pro Phe Thr Arg Pro Ser Glu Val
65 70 75 80

His Met Gly Lys Phe Thr Leu Lys His Asp Pro Ser Glu Ala Met Leu
85 90 95

Gln Val Gln Met Thr Asp Leu Gln Val Thr Asp Ser Gly Leu Tyr Arg
100 105 110

Cys Val Ile Tyr His Pro Pro Asn Asp Pro Val Val Leu Phe His Pro
115 120 125

Val Arg Leu Val Val Thr Lys Gly Ser Ser Asp Val Phe Thr Pro Val
130 135 140

Ile Ile Pro Ile Thr Arg Leu Thr Glu Arg Pro Ile Leu Ile Thr Thr
145 150 155 160

Lys Tyr Ser Pro Ser Asp Thr Thr Thr Thr Arg Ser Leu Pro Lys Pro
165 170 175

Thr Ala Val Val Ser Ser Pro Gly Leu Gly Val Thr Ile Ile Asn Gly
180 185 190

Thr Asp Ala Asp Ser Val Ser Thr Ser Ser Val Thr Ile Ser Val Ile
195 200 205

Cys Gly Leu Leu Ser Lys Ser Leu Val Phe Ile Ile Leu Phe Ile Val
210 215 220

Thr Lys Arg Thr Phe Gly
225 230

<210> 23
<211> 175
<212> PRT
<213> Homo sapiens

<400> 23

Gln Glu Thr Glu Asp Pro Ala Cys Cys Ser Pro Ile Val Pro Arg Asn
1 5 10 15

Glu Trp Lys Ala Leu Ala Ser Glu Cys Ala Gln His Leu Ser Leu Pro
20 25 30

Leu Arg Tyr Val Val Val Ser His Thr Ala Gly Ser Ser Cys Asn Thr
35 40 45

Pro Ala Ser Cys Gln Gln Gln Ala Arg Asn Val Gln His Tyr His Met
50 55 60

Lys Thr Leu Gly Trp Cys Asp Val Gly Tyr Asn Phe Leu Ile Gly Glu
65 70 75 80

Asp Gly Leu Val Tyr Glu Gly Arg Gly Trp Asn Phe Thr Gly Ala His
85 90 95

Ser Gly His Leu Trp Asn Pro Met Ser Ile Gly Ile Ser Phe Met Gly
100 105 110

Asn Tyr Met Asp Arg Val Pro Thr Pro Gln Ala Ile Arg Ala Ala Gln
115 120 125

Gly Leu Leu Ala Cys Gly Val Ala Gln Gly Ala Leu Arg Ser Asn Tyr
130 135 140

Val Leu Lys Gly His Arg Asp Val Gln Arg Thr Leu Ser Pro Gly Asn
145 150 155 160

Gln	Leu	Tyr	His	Leu	Ile	Gln	Asn	Trp	Pro	His	Tyr	Arg	Ser	Pro
				165					170					175