

SEQUENCE LISTING

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<120> ANT1-FOLATE RECEPTOR ANTIBODY CONJUGATES, COMPOSITIONS COMPRISING
 ANT1-FOLATE RECEPTOR ANTIBODY CONJUGATES, AND METHODS OF MAKING
 AND USING ANT1-FOLATE RECEPTOR ANTIBODY CONJUGATES

<130> 108843.00171

<150> US 62/560,064
 <151> 2017-09-18

<160> 382

<170> PatentIn version 3.5

<210> 1
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Human folate receptor alpha (hFOLR1)

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			20					25					30		
Leu	Leu	Asn	Val	Cys	Met	Asn	Ala	Lys	His	His	Lys	Glu	Lys	Pro	Gly
		35					40					45			
Pro	Glu	Asp	Lys	Leu	His	Glu	Gln	Cys	Arg	Pro	Trp	Arg	Lys	Asn	Ala
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Cys	Cys	Ser	Thr	Asn	Thr	Ser	Gln	Glu	Ala	His	Lys	Asp	Val	Ser	Tyr
65					70					75					80
Leu	Tyr	Arg	Phe	Asn	Trp	Asn	His	Cys	Gly	Glu	Met	Ala	Pro	Ala	Cys
				85					90					95	
Lys	Arg	His	Phe	Ile	Gln	Asp	Thr	Cys	Leu	Tyr	Glu	Cys	Ser	Pro	Asn
			100					105					110		

Leu Gly Pro Trp Ile Gln Gln Val Asp Gln Ser Trp Arg Lys Glu Arg
115 120 125

Val Leu Asn Val Pro Leu Cys Lys Glu Asp Cys Glu Gln Trp Trp Glu
130 135 140

Asp Cys Arg Thr Ser Tyr Thr Cys Lys Ser Asn Trp His Lys Gly Trp
145 150 155 160

Asn Trp Thr Ser Gly Phe Asn Lys Cys Ala Val Gly Ala Ala Cys Gln
165 170 175

Pro Phe His Phe Tyr Phe Pro Thr Pro Thr Val Leu Cys Asn Glu Ile
180 185 190

Trp Thr His Ser Tyr Lys Val Ser Asn Tyr Ser Arg Gly Ser Gly Arg
195 200 205

Cys Ile Gln Met Trp Phe Asp Pro Ala Gln Gly Asn Pro Asn Glu Glu
210 215 220

Val Ala Arg Phe Tyr Ala Ala Ala Met Ser Gly Ala Gly Pro Trp Ala
225 230 235 240

Ala Trp Pro Phe Leu Leu Ser Leu Ala Leu Met Leu Leu Trp Leu Leu
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Ser

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Ala Val Val Gly Glu Ala Gln Thr Arg Thr Ala Arg Ala Arg Thr Glu
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Leu Leu Asn Val Cys Met Asn Ala Lys His His Lys Glu Lys Pro Gly
35 40 45

Pro Glu Asp Lys Leu His Glu Gln Cys Arg Pro Trp Lys Lys Asn Ala
 50 55 60
 Cys Cys Ser Thr Asn Thr Ser Gln Glu Ala His Lys Asp Val Ser Tyr
 65 70 75 80
 Leu Tyr Arg Phe Asn Trp Asn His Cys Gly Glu Met Ala Pro Ala Cys
 85 90 95
 Lys Arg His Phe Ile Gln Asp Thr Cys Leu Tyr Glu Cys Ser Pro Asn
 100 105 110
 Leu Gly Pro Trp Ile Gln Gln Val Asp Gln Ser Trp Arg Lys Glu Arg
 115 120 125
 Val Leu Asn Val Pro Leu Cys Lys Glu Asp Cys Glu Arg Trp Trp Glu
 130 135 140
 Asp Cys Arg Thr Ser Tyr Thr Cys Lys Ser Asn Trp His Lys Gly Trp
 145 150 155 160
 Asn Trp Thr Ser Gly Phe Asn Lys Cys Pro Val Gly Ala Ala Cys Gln
 165 170 175
 Pro Phe His Phe Tyr Phe Pro Thr Pro Thr Val Leu Cys Asn Glu Ile
 180 185 190
 Trp Thr Tyr Ser Tyr Lys Val Ser Asn Tyr Ser Arg Gly Ser Gly Arg
 195 200 205
 Cys Ile Gln Met Trp Phe Asp Pro Ala Gln Gly Asn Pro Asn Glu Glu
 210 215 220
 Val Ala Arg Phe Tyr Ala Ala Ala Met Ser Gly Ala Gly Pro Trp Ala
 225 230 235 240
 Ala Trp Pro Leu Leu Leu Ser Leu Ala Leu Thr Leu Leu Trp Leu Leu
 245 250 255

Ser

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Ala Glu Cys Ala Gln Ser Arg Ala Thr Arg Ala Arg Thr Glu Leu Leu
20 25 30

Asn Val Cys Met Asp Ala Lys His His Lys Glu Lys Pro Gly Pro Glu
35 40 45

Asp Asn Leu His Asp Gln Cys Ser Pro Trp Lys Thr Asn Ser Cys Cys
50 55 60

Ser Thr Asn Thr Ser Gln Glu Ala His Lys Asp Ile Ser Tyr Leu Tyr
65 70 75 80

Arg Phe Asn Trp Asn His Cys Gly Thr Met Thr Ser Glu Cys Lys Arg
85 90 95

His Phe Ile Gln Asp Thr Cys Leu Tyr Glu Cys Ser Pro Asn Leu Gly
100 105 110

Pro Trp Ile Gln Gln Val Asp Gln Ser Trp Arg Lys Glu Arg Ile Leu
115 120 125

Asp Val Pro Leu Cys Lys Glu Asp Cys Gln Gln Trp Trp Glu Asp Cys
130 135 140

Gln Ser Ser Phe Thr Cys Lys Ser Asn Trp His Lys Gly Trp Asn Trp
145 150 155 160

Ser Ser Gly His Asn Glu Cys Pro Val Gly Ala Ser Cys His Pro Phe
165 170 175

Thr Phe Tyr Phe Pro Thr Ser Ala Ala Leu Cys Glu Glu Ile Trp Ser
180 185 190

His Ser Tyr Lys Leu Ser Asn Tyr Ser Arg Gly Ser Gly Arg Cys Ile
195 200 205

Gln Met Trp Phe Asp Pro Ala Gln Gly Asn Pro Asn Glu Glu Val Ala
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Arg Phe Tyr Ala Glu Ala Met Ser Gly Ala Gly Phe His Gly Thr Trp
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Pro Leu Leu Cys Ser Leu Ser Leu Val Leu Leu Trp Val Ile Ser
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Lys Tyr Ser Ile His
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<210> 84

<211> 5

<212> PRT

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<223> Synthetic: SRP1848-C07, CDR-H1, Kabat

<400> 84

Lys Tyr Ser Ile His
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<210> 85

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Synthetic: SRP1848-C10, CDR-H1, Kabat

<400> 85

Thr Tyr Tyr Ile His
1 5

<210> 86
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<400> 86

His Asn Tyr Ile His
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<210> 87
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<400> 87

Tyr Phe Ser Ile His
1 5

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His Tyr Ser Ile His
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<210> 89
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<400> 89

Ile Ser Tyr Ile His
1 5

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<212> PRT
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<400> 90

Lys Tyr Tyr Ile His
1 5

<210> 91

<211> 5

<212> PRT

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Asn Tyr Tyr Ile His
1 5

<210> 92

<211> 5

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<220>

<223> Synthetic: SRP1848-D10, CDR-H1, Kabat

<400> 92

Arg Asn Ser Ile His
1 5

<210> 93

<211> 5

<212> PRT

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<223> Synthetic: SRP1848-E01, CDR-H1, Kabat

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Asn Lys Tyr Ile His
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<210> 94

<211> 5

<212> PRT

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<220>

<223> Synthetic: SRP1848-E02, CDR-H1, Kabat

<400> 94

Lys Tyr Ser Ile His
1 5

<210> 95

<211> 5

<212> PRT
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Asn Tyr Tyr Ile His
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<400> 96

Val Tyr Tyr Ile His
1 5

<210> 97
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<400> 97

Arg Tyr Tyr Ile His
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<210> 98
<211> 5
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<400> 98

Lys Ser Ser Ile His
1 5

<210> 99
<211> 5
<212> PRT
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<220>
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<400> 99

Thr Tyr Ser Ile His
1 5

<210> 100
<211> 5
<212> PRT
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Thr Tyr Ser Ile His
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Asn Tyr Ser Ile His
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<212> PRT
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<400> 102

Lys Ser Ser Ile His
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<220>
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<400> 103

Leu Ser Tyr Ile His
1 5

<210> 104
<211> 5
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<213> Artificial Sequence

<220>
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<400> 104

Asn His Ser Ile His
1 5

<210> 105
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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Asn His Ser Ile His
1 5

<210> 106
<211> 5
<212> PRT
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<220>
<223> Synthetic: SRP1848-F09, CDR-H1, Kabat
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Asn His Tyr Ile His
1 5

<210> 107
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F10, CDR-H1, Kabat
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Asn Asn Ser Ile His
1 5

<210> 108
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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Asn Asn Tyr Ile His
1 5

<210> 109
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G01, CDR-H1, Kabat

<400> 109

Arg His Ser Ile His
1 5

<210> 110
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G03, CDR-H1, Kabat

<400> 110

Thr Tyr Tyr Ile His
1 5

<210> 111
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G04, CDR-H1, Kabat

<400> 111

Ser Thr Asp Ile His
1 5

<210> 112
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G06, CDR-H1, Kabat

<400> 112

Ser Thr Asp Ile His
1 5

<210> 113
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G07, CDR-H1, Kabat

<400> 113

Ser Thr Asp Ile His
1 5

<210> 114

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G09, CDR-H1, Kabat

<400> 114

Gly Thr Asp Ile His
1 5

<210> 115

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G10, CDR-H1, Kabat

<400> 115

Ser Thr Asp Ile His
1 5

<210> 116

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G11, CDR-H1, Kabat

<400> 116

Ser Thr Asp Ile His
1 5

<210> 117

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-H01, CDR-H1, Kabat

<400> 117

Thr Gln Ser Ile His
1 5

<210> 118
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E10, CDR-H1, Kabat

<400> 118

Thr Phe Gly Met Gly Val Gly
1 5

<210> 119
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E05, CDR-H1, Kabat

<400> 119

Thr Phe Gly Met Gly Val Gly
1 5

<210> 120
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-B01, CDR-H1, Kabat

<400> 120

Thr Phe Gly Met Gly Val Gly
1 5

<210> 121
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-A06, CDR-H1, Kabat

<400> 121

Thr Phe Gly Met Gly Val Gly
1 5

<210> 122
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A01, CDR-H2, Chothia

<400> 122

Leu Pro Glu Ser Gly Gly
1 5

<210> 123

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A02, CDR-H2, Chothia

<400> 123

Tyr Pro Glu Ser Gly Ala
1 5

<210> 124

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A04, CDR-H2, Chothia

<400> 124

Tyr Pro Val Asp Gly Thr
1 5

<210> 125

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A06, CDR-H2, Chothia

<400> 125

Thr Pro Ile Asp Gly Asn
1 5

<210> 126

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A07, CDR-H2, Chothia

<400> 126

Phe Pro Val Asp Gly Thr
1 5

<210> 127

<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A08, CDR-H2, Chothia

<400> 127

Tyr Pro Asn Asp Gly Thr
1 5

<210> 128
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A09, CDR-H2, Chothia

<400> 128

Phe Pro Asn Asp Gly Thr
1 5

<210> 129
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A10, CDR-H2, Chothia

<400> 129

Phe Pro Ile Asp Asp Ile
1 5

<210> 130
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<212> PRT
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<220>
<223> Synthetic: SRP1848-B01, CDR-H2, Chothia

<400> 130

Tyr Pro Val Asp Gly Ile
1 5

<210> 131
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-B03, CDR-H2, Chothia

<400> 131

Thr Pro Ile Asp Gly Met
1 5

<210> 132
<211> 6
<212> PRT
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<220>
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<400> 132

Tyr Pro Val Asp Gly Ile
1 5

<210> 133
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-B05, CDR-H2, Chothia

<400> 133

Ser Pro Ile Asp Gly Tyr
1 5

<210> 134
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<400> 134

Thr Pro Ile Asp Gly Tyr
1 5

<210> 135
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-B07, CDR-H2, Chothia

<400> 135

Ser Pro Tyr Asp Gly Phe
1 5

<210> 136
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<400> 136

Thr Pro Val Asp Gly Tyr
1 5

<210> 137
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B10, CDR-H2, Chothia
<400> 137

Tyr Pro Arg Asp Gly Ile
1 5

<210> 138
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-B11, CDR-H2, Chothia
<400> 138

Ser Pro Ile Asp Gly Phe
1 5

<210> 139
<211> 6
<212> PRT
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<220>
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<400> 139

Thr Pro Asn Asp Gly Tyr
1 5

<210> 140
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<212> PRT
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<220>
<223> Synthetic: SRP1848-C03, CDR-H2, Chothia
<400> 140

Tyr Pro Ile Asp Gly Asn
1 5

<210> 141
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C04, CDR-H2, Chothia

<400> 141

Tyr Pro Gly Pro Gly Asn
1 5

<210> 142
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C05, CDR-H2, Chothia

<400> 142

Phe Pro Ile Asp Gly Ile
1 5

<210> 143
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C07, CDR-H2, Chothia

<400> 143

Phe Pro Ile Asp Gly Ile
1 5

<210> 144
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-C10, CDR-H2, Chothia

<400> 144

Ser Pro Ile Asp Gly Tyr
1 5

<210> 145
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D02, CDR-H2, Chothia

<400> 145

Thr Pro Gln Asp Gly Tyr
1 5

<210> 146

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D03, CDR-H2, Chothia

<400> 146

Phe Pro Asn Asp Gly Ser
1 5

<210> 147

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D04, CDR-H2, Chothia

<400> 147

Tyr Pro Arg Asp Gly Ile
1 5

<210> 148

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D05, CDR-H2, Chothia

<400> 148

Ser Pro Ile Asp Gly Tyr
1 5

<210> 149

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D07, CDR-H2, Chothia

<400> 149

Ser Pro Asn Asp Gly Tyr
1 5

<210> 150
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D09, CDR-H2, Chothia

<400> 150

Ser Pro Asn Asp Gly Tyr
1 5

<210> 151
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D10, CDR-H2, Chothia

<400> 151

Ser Pro Asn Asp Gly Thr
1 5

<210> 152
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<400> 152

Thr Pro Phe Asp Gly Phe
1 5

<210> 153
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E02, CDR-H2, Chothia

<400> 153

Tyr Pro Asn Asp Gly Asn
1 5

<210> 154
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E03, CDR-H2, Chothia

<400> 154

Thr Pro Arg Asp Gly Phe
1 5

<210> 155

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E05, CDR-H2, Chothia

<400> 155

Thr Pro Asn Asp Gly Tyr
1 5

<210> 156

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E06, CDR-H2, Chothia

<400> 156

Thr Pro Asn Asp Gly Tyr
1 5

<210> 157

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E07, CDR-H2, Chothia

<400> 157

Phe Pro Tyr Asp Gly Ser
1 5

<210> 158

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F01, CDR-H2, Chothia

<400> 158

Phe Pro Asn Asp Gly Thr
1 5

<210> 159

<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F02, CDR-H2, Chothia

<400> 159

Phe Pro Asn Asp Gly Thr
1 5

<210> 160
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F04, CDR-H2, Chothia

<400> 160

Tyr Pro Ile Asp Gly Ile
1 5

<210> 161
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F05, CDR-H2, Chothia

<400> 161

Tyr Pro Asn Asp Gly Ser
1 5

<210> 162
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F06, CDR-H2, Chothia

<400> 162

Ser Pro Ile Asp Gly Asn
1 5

<210> 163
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F07, CDR-H2, Chothia

<400> 163

Tyr Pro Asn Asp Gly Ile
1 5

<210> 164
<211> 6
<212> PRT
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<220>
<223> Synthetic: SRP1848-F08, CDR-H2, Chothia

<400> 164

Tyr Pro Val Asp Gly Ile
1 5

<210> 165
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F09, CDR-H2, Chothia

<400> 165

Ser Pro Leu Asp Gly Tyr
1 5

<210> 166
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F10, CDR-H2, Chothia

<400> 166

Phe Pro Asn Asp Gly Tyr
1 5

<210> 167
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F11, CDR-H2, Chothia

<400> 167

Thr Pro Ile Asp Gly Asn
1 5

<210> 168
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G01, CDR-H2, Chothia
<400> 168

Ala Pro Asn Asp Gly Ser
1 5

<210> 169
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G03, CDR-H2, Chothia
<400> 169

Thr Pro Ser Asp Gly Phe
1 5

<210> 170
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G04, CDR-H2, Chothia
<400> 170

Thr Pro Ala Gly Gly Ala
1 5

<210> 171
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G06, CDR-H2, Chothia
<400> 171

Thr Pro Ala Gly Gly Ala
1 5

<210> 172
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G07, CDR-H2, Chothia
<400> 172

Thr Pro Ala Gly Gly Ala
1 5

<210> 173
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G09, CDR-H2, Chothia

<400> 173

Thr Pro Ala Gly Gly Ala
1 5

<210> 174
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G10, CDR-H2, Chothia

<400> 174

Thr Pro Ala Gly Gly Ala
1 5

<210> 175
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G11, CDR-H2, Chothia

<400> 175

Thr Pro Ala Gly Gly Ala
1 5

<210> 176
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-H01, CDR-H2, Chothia

<400> 176

Phe Pro Ile Asp Gly Ile
1 5

<210> 177
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-E10, CDR-H2, Chothia

<400> 177

Trp Trp Asp Asp Asp
1 5

<210> 178

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-E05, CDR-H2, Chothia

<400> 178

Trp Trp Asp Asp Asp
1 5

<210> 179

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-B01, CDR-H2, Chothia

<400> 179

Trp Trp Asp Asp Asp
1 5

<210> 180

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-A06, CDR-H2, Chothia

<400> 180

Trp Trp Asp Asp Asp
1 5

<210> 181

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A01, CDR-H2, Kabat

<400> 181

Gly Ile Leu Pro Glu Ser Gly Gly Thr Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 182
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A02, CDR-H2, Kabat

<400> 182

Gly	Ile	Tyr	Pro	Glu	Ser	Gly	Ala	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 183
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 183

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

Gly

<210> 184
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A06, CDR-H2, Kabat

<400> 184

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

Gly

<210> 185
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A07, CDR-H2, Kabat

<400> 185

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

Gly

<210> 186

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A08, CDR-H2, Kabat

<400> 186

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

Gly

<210> 187

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A09, CDR-H2, Kabat

<400> 187

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

Gly

<210> 188

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A10, CDR-H2, Kabat

<400> 188

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

Gly

<210> 189
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B01, CDR-H2, Kabat

<400> 189

Glu Ile Tyr Pro Val Asp Gly Ile Thr Asp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 190
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B03, CDR-H2, Kabat

<400> 190

Gly Ile Thr Pro Ile Asp Gly Met Thr Asp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 191
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B04, CDR-H2, Kabat

<400> 191

Glu Ile Tyr Pro Val Asp Gly Ile Thr Asp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 192
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B05, CDR-H2, Kabat

<400> 192

Gly	Ile	Ser	Pro	Ile	Asp	Gly	Tyr	Thr	Asp	Tyr	Ala	Asp	Ser	Met	Lys
1				5					10					15	

Gly

<210> 193

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B06, CDR-H2, Kabat

<400> 193

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

Gly

<210> 194

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B07, CDR-H2, Kabat

<400> 194

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

Gly

<210> 195

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B09, CDR-H2, Kabat

<400> 195

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

Gly

<210> 196
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B10, CDR-H2, Kabat

<400> 196

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

Gly

<210> 197
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B11, CDR-H2, Kabat

<400> 197

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

Gly

<210> 198
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C01, CDR-H2, Kabat

<400> 198

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

Gly

<210> 199
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C03, CDR-H2, Kabat

<400> 199

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

Gly

<210> 200
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C04, CDR-H2, Kabat

<400> 200

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

Gly

<210> 201
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C05, CDR-H2, Kabat

<400> 201

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

Gly

<210> 202
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C07, CDR-H2, Kabat

<400> 202

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

Gly

<210> 203
<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C10, CDR-H2, Kabat

<400> 203

Gly	Ile	Ser	Pro	Ile	Asp	Gly	Tyr	Thr	Asp	Tyr	Ala	Asp	Ser	Met	Lys
1				5					10					15	

Gly

<210> 204
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D02, CDR-H2, Kabat

<400> 204

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

Gly

<210> 205
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D03, CDR-H2, Kabat

<400> 205

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

Gly

<210> 206
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D04, CDR-H2, Kabat

<400> 206

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

Gly

<210> 207
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D05, CDR-H2, Kabat

<400> 207

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

Gly

<210> 208
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D07, CDR-H2, Kabat

<400> 208

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

Gly

<210> 209
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D09, CDR-H2, Kabat

<400> 209

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

Gly

<210> 210
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D10, CDR-H2, Kabat

<400> 210

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

Gly

<210> 211

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E01, CDR-H2, Kabat

<400> 211

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

Gly

<210> 212

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E02, CDR-H2, Kabat

<400> 212

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

Gly

<210> 213

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E03, CDR-H2, Kabat

<400> 213

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

Gly

<210> 214
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E05, CDR-H2, Kabat

<400> 214

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

Gly

<210> 215
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E06, CDR-H2, Kabat

<400> 215

Gly	Ile	Thr	Pro	Asn	Asp	Gly	Tyr	Thr	Asp	Tyr	Ala	Asp	Ser	Val	Glu
1				5				10						15	

Gly

<210> 216
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E07, CDR-H2, Kabat

<400> 216

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

Gly

<210> 217
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F01, CDR-H2, Kabat

<400> 217

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

Gly

<210> 218

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F02, CDR-H2, Kabat

<400> 218

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

Gly

<210> 219

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F04, CDR-H2, Kabat

<400> 219

Glu	Ile	Tyr	Pro	Ile	Asp	Gly	Ile	Thr	Asp	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 220

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F05, CDR-H2, Kabat

<400> 220

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

Gly

<210> 221
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F06, CDR-H2, Kabat

<400> 221

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

Gly

<210> 222
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F07, CDR-H2, Kabat

<400> 222

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

Gly

<210> 223
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F08, CDR-H2, Kabat

<400> 223

Glu Ile Tyr Pro Val Asp Gly Ile Thr Asp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 224
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F09, CDR-H2, Kabat

<400> 224

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

Gly

<210> 225

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F10, CDR-H2, Kabat

<400> 225

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

Gly

<210> 226

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F11, CDR-H2, Kabat

<400> 226

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

Gly

<210> 227

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G01, CDR-H2, Kabat

<400> 227

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

Gly

<210> 228
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G03, CDR-H2, Kabat

<400> 228

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

Gly

<210> 229
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G04, CDR-H2, Kabat

<400> 229

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

Gly

<210> 230
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G06, CDR-H2, Kabat

<400> 230

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

Gly

<210> 231
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G07, CDR-H2, Kabat

<400> 231

Tyr Ile Thr Pro Ala Gly Gly Ala Thr Trp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 232
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G09, CDR-H2, Kabat

<400> 232

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

Gly

<210> 233
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G10, CDR-H2, Kabat

<400> 233

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

Gly

<210> 234
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G11, CDR-H2, Kabat

<400> 234

Tyr Ile Thr Pro Ala Gly Gly Ala Thr Trp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 235
<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-H01, CDR-H2, Kabat

<400> 235

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

Gly

<210> 236
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E10, CDR-H2, Kabat

<400> 236

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

<210> 237
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E05, CDR-H2, Kabat

<400> 237

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

<210> 238
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-B01, CDR-H2, Kabat

<400> 238

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

<210> 239
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-A06, CDR-H2, Kabat

<400> 239

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

<210> 240

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A01, CDR-H3

<400> 240

His	Ile	Tyr	Pro	Trp	Asp	Trp	Phe	Ser	Asn	Tyr	Val	Leu	Asp	Tyr
1				5					10					15

<210> 241

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A02, CDR-H3

<400> 241

His	Leu	Tyr	Val	Trp	Asp	Trp	Val	Leu	Asp	His	Val	Leu	Asp	Tyr
1				5				10						15

<210> 242

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A04, CDR-H3

<400> 242

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Ile	Asp	Tyr
1				5				10						15

<210> 243

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A06, CDR-H3

<400> 243

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Ile	Asp	Tyr
1				5				10						15

<210> 244
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A07, CDR-H3

<400> 244

Gly	Phe	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 245
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A08, CDR-H3

<400> 245

Gly	Ser	Trp	Phe	Trp	Arg	Ala	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 246
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A09, CDR-H3

<400> 246

Gly	Ser	Trp	Phe	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Phe	Leu	Glu	Tyr
1				5					10					15

<210> 247
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A10, CDR-H3

<400> 247

Gly	Ser	Trp	Ser	Trp	Pro	Ser	Gly	His	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 248
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B01, CDR-H3

<400> 248

Gly	Phe	Trp	Ser	Trp	Pro	Ser	Gly	Tyr	Ser	Tyr	Phe	Leu	Asp	Tyr
1				5					10					15

<210> 249

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B03, CDR-H3

<400> 249

Gly	Ser	Trp	Ser	Trp	Pro	Ser	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 250

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B04, CDR-H3

<400> 250

Gly	Arg	Tyr	Ser	Trp	Arg	Ala	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 251

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B05, CDR-H3

<400> 251

Gly	Ser	Trp	Phe	Trp	Gln	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 252

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B06, CDR-H3

<400> 252

Gly	Phe	Trp	Ser	Trp	Pro	Ser	Gly	Tyr	Gly	Tyr	Tyr	Gln	Asp	Tyr
1				5					10					15

<210> 253

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B07, CDR-H3

<400> 253

Gly	Ser	Trp	Ser	Trp	Pro	Ala	Gly	Tyr	Gly	Tyr	Tyr	Gln	Asp	Tyr
1				5					10					15

<210> 254
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B09, CDR-H3

<400> 254

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Met	Asp	Tyr
1				5					10					15

<210> 255
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B10, CDR-H3

<400> 255

Gly	Gly	Trp	His	Trp	Arg	Ser	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 256
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-B11, CDR-H3

<400> 256

Gly	Ser	Trp	Ser	Trp	Arg	Ala	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 257
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C01, CDR-H3

<400> 257

Gly Ser Trp Phe Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
1 5 10 15

<210> 258
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C03, CDR-H3

<400> 258

Gly Ser Trp Ala Trp Arg Ser Gly Tyr Ser Tyr Tyr Leu Asp Tyr
1 5 10 15

<210> 259
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C04, CDR-H3

<400> 259

Gly Ser Leu Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
1 5 10 15

<210> 260
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C05, CDR-H3

<400> 260

Gly Ser Trp Ser Trp Lys Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
1 5 10 15

<210> 261
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C07, CDR-H3

<400> 261

Gly Ser Trp Ser Trp Pro Ala Gly Tyr Gly Tyr Tyr Gln Asp Tyr
1 5 10 15

<210> 262
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
 <223> Synthetic: SRP1848-C10, CDR-H3
 <400> 262
 Gly Ser Trp Ser Trp Pro Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
 1 5 10 15
 <210> 263
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic: SRP1848-D02, CDR-H3
 <400> 263
 Gly Ala Trp Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
 1 5 10 15
 <210> 264
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic: SRP1848-D03, CDR-H3
 <400> 264
 Gly His Trp Ser Trp Pro Ser Gly Tyr Trp Tyr Tyr Leu Asp Tyr
 1 5 10 15
 <210> 265
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic: SRP1848-D04, CDR-H3
 <400> 265
 Gly Tyr Trp Phe Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp Tyr
 1 5 10 15
 <210> 266
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic: SRP1848-D05, CDR-H3
 <400> 266
 Gly Ser Trp Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp Tyr
 1 5 10 15

<210> 267
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D07, CDR-H3

<400> 267

Gly	Phe	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5				10					15	

<210> 268
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D09, CDR-H3

<400> 268

Gly	Ser	Trp	Ser	Trp	Arg	His	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5				10					15	

<210> 269
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D10, CDR-H3

<400> 269

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Ile	Asp	Tyr
1				5				10					15	

<210> 270
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E01, CDR-H3

<400> 270

Gly	Ser	Trp	Ser	Trp	Pro	Ala	Gly	Tyr	Gly	Tyr	Tyr	Gln	Asp	Tyr
1				5				10					15	

<210> 271
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E02, CDR-H3

<400> 271

Gly	Ser	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 272

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E03, CDR-H3

<400> 272

Gly	Ser	Trp	Ser	Trp	Pro	Ala	Gly	His	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 273

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E05, CDR-H3

<400> 273

Gly	Phe	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 274

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E06, CDR-H3

<400> 274

Gly	Thr	Trp	Ser	Trp	Pro	Ser	Gly	His	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 275

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E07, CDR-H3

<400> 275

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Ile	Asp	Tyr
1				5					10					15

<210> 276
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F01, CDR-H3

<400> 276

Gly	Ser	Trp	Ala	Trp	Arg	Ala	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 277
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F02, CDR-H3

<400> 277

Gly	Ser	Trp	Ser	Trp	Gln	Ala	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 278
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F04, CDR-H3

<400> 278

Gly	Ser	Trp	Phe	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 279
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F05, CDR-H3

<400> 279

Gly	Ser	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Ser	Tyr	Phe	Leu	Asp	Tyr
1				5					10					15

<210> 280
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F06, CDR-H3

<400> 280

Gly	Phe	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 281

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F07, CDR-H3

<400> 281

Gly	Ser	Trp	Asp	Trp	Arg	Ser	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 282

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F08, CDR-H3

<400> 282

Gly	Ser	Trp	Tyr	Trp	Gln	Ser	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 283

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F09, CDR-H3

<400> 283

Gly	Ala	Trp	Ser	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Ile	Asp	Tyr
1				5					10					15

<210> 284

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F10, CDR-H3

<400> 284

Gly	Ser	Trp	Phe	Trp	Arg	Ser	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 285

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F11, CDR-H3

<400> 285

Gly	Ser	Trp	Tyr	Trp	Arg	Ala	Gly	Tyr	Gly	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 286
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G01, CDR-H3

<400> 286

Gly	Ser	Trp	Ala	Trp	Arg	Ser	Gly	Tyr	Ser	Tyr	Phe	Leu	Asp	Tyr
1				5					10					15

<210> 287
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G03, CDR-H3

<400> 287

Gly	Ser	Trp	Ser	Trp	Pro	Ser	Gly	His	Gly	Tyr	Phe	Leu	Asp	Tyr
1				5					10					15

<210> 288
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G04, CDR-H3

<400> 288

Tyr	Pro	Tyr	Trp	Phe	Ala	Gly	Tyr	Met	Asp	Tyr
1				5					10	

<210> 289
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G06, CDR-H3

<400> 289

Gln Pro Tyr Trp Phe Ala Gly Tyr Met Asp Tyr
1 5 10

<210> 290
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G07, CDR-H3

<400> 290

Tyr Pro Phe Trp Phe Ala Gly Tyr Met Asp Tyr
1 5 10

<210> 291
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G09, CDR-H3

<400> 291

His Glu Tyr Trp Phe Ser Gly Tyr Met Asp Tyr
1 5 10

<210> 292
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G10, CDR-H3

<400> 292

Tyr Pro Tyr Trp Phe Ala Gly Tyr Ile Asp Tyr
1 5 10

<210> 293
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G11, CDR-H3

<400> 293

Tyr Pro Tyr Trp Phe Ser Gly Tyr Met Asp Tyr
1 5 10

<210> 294
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-H01, CDR-H3

<400> 294

Gly	Ser	Trp	Ser	Trp	Pro	Ser	Gly	Met	Asp	Tyr	Tyr	Leu	Asp	Tyr
1				5					10					15

<210> 295

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-E10, CDR-H3

<400> 295

Asn	His	Phe	Pro	His	Tyr	Tyr	Gly	Ser	Ser	His	Trp	Tyr	Phe	Asn	Val
1				5					10					15	

<210> 296

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-E05, CDR-H3

<400> 296

Asn	His	Phe	Pro	His	Tyr	Tyr	Gly	Ser	Ser	His	Trp	Tyr	Phe	Asn	Val
1				5					10					15	

<210> 297

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-B01, CDR-H3

<400> 297

Asn	His	Phe	Pro	His	Tyr	Tyr	Gly	Ser	Ser	His	Trp	Tyr	Phe	Asn	Val
1				5					10					15	

<210> 298

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-A06, CDR-H3

<400> 298

Asn	His	Phe	Pro	His	Tyr	Tyr	Gly	Ser	Ser	His	Trp	Tyr	Phe	Asp	Val
1				5					10					15	

<210> 299
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: trastuzumab, CDR-L1

<400> 299

Arg Ala Ser Gln Asp Val Asn Thr Ala Val Ala
1 5 10

<210> 300
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: H6D1-LC4, CDR-L1

<400> 300

Lys Ala Ser Gln Asp Ile Asn Ser Tyr Leu Ser
1 5 10

<210> 301
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: H6D1-LC5, CDR-L1

<400> 301

Lys Ala Ser Gln Asp Ile Asn Ser Tyr Leu Ser
1 5 10

<210> 302
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: trastuzumab, CDR-L2

<400> 302

Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 303
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC4, CDR-L3

<400> 303

Arg Ala Asn Arg Leu Val Asp
1 5

<210> 304

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC5, CDR-L2

<400> 304

Arg Ala Asn Arg Leu Val Asp
1 5

<210> 305

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: trastuzumab, CDR-L3

<400> 305

Gln Gln His Tyr Thr Thr Pro Pro Thr
1 5

<210> 306

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC4, CDR-L3

<400> 306

Leu Gln Tyr Asp Glu Phe Pro Tyr Thr
1 5

<210> 307

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC5, CDR-L3

<400> 307

Leu Gln Tyr Asp Glu Phe Pro Tyr Thr
1 5

<210> 308
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A01, VH

<400> 308

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

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

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

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

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

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

Ala Arg His Ile Tyr Pro Trp Asp Trp Phe Ser Asn Tyr Val Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 309
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A02, VH

<400> 309

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Gly Phe
20 25 30

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

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

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

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

Ala Arg His Leu Tyr Val Trp Asp Trp Val Leu Asp His Val Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 310

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A04, VH

<400> 310

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

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

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 311

<211> 124

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A06, VH

<400> 311

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Asn Ser
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 312
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-A07, VH

<400> 312

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Tyr His
20 25 30

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

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

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

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

Ala Arg Gly Phe Trp Ala Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 313

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A08, VH

<400> 313

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Asn Ile Arg Lys His
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Phe Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 314

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A09, VH

<400> 314

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

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

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

Gly Ser Ile Phe Pro Asn Asp Gly Thr Thr Asp Tyr Ala Asp Ser Val
50 55 60

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

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

Ala Arg Gly Ser Trp Phe Trp Arg Ser Gly Tyr Gly Tyr Phe Leu Glu
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 315

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-A10, VH

<400> 315

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Pro Ser Gly His Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 316

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B01, VH

<400> 316

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Asn Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Phe Trp Ser Trp Pro Ser Gly Tyr Ser Tyr Phe Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 317

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B03, VH

<400> 317

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Met Lys
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Pro Ser Gly Tyr Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 318

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B04, VH

<400> 318

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Phe Asn Ile Ser Asn His
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Arg Tyr Ser Trp Arg Ala Gly Tyr Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 319

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B05, VH

<400> 319

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Tyr
20 25 30

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

Gly Gly Ile Ser Pro Ile Asp Gly Tyr Thr Asp Tyr Ala Asp Ser Met
50 55 60

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 320

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B06, VH

<400> 320

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Tyr
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 321

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B07, VH

<400> 321

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Arg Phe
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 322

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B09, VH

<400> 322

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

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

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

Gly Gly Ile Thr Pro Val Asp Gly Tyr Thr Asp Tyr Ala Asp Arg Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Trp Ser Trp Arg Ser Gly Tyr Gly Tyr Tyr Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 323

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B10, VH

<400> 323

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

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

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 324

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-B11, VH

<400> 324

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Asn Asn
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 325
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C01, VH

<400> 325

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Asn Ser
20 25 30

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

Gly Gly Val Thr Pro Asn Asp Gly Tyr Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Thr 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 Ser Trp Phe Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 326
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C03, VH

<400> 326

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Val Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ala Trp Arg Ser Gly Tyr Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 327

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-C04, VH

<400> 327

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg His Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Leu Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 328
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C05, VH

<400> 328

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

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

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

Gly Asp Ile Phe Pro Ile Asp Gly Ile Asn Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Lys Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 329
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-C07, VH

<400> 329

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

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

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

Gly Asp Ile Phe Pro Ile Asp Gly Ile Thr Asp Tyr Ala Asp Ser Met
50 55 60

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 330

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-C10, VH

<400> 330

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Pro Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 331
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D02, VH

<400> 331

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser His Asn
20 25 30

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

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

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

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

Ala Arg Gly Ala Trp Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 332
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D03, VH

<400> 332

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Tyr Phe
20 25 30

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

Gly Asp Ile Phe Pro Asn Asp Gly Ser Thr Asp Tyr Ala Asp Ser Val
50 55 60

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

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

Ala Arg Gly His Trp Ser Trp Pro Ser Gly Tyr Trp Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 333

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D04, VH

<400> 333

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser His Tyr
20 25 30

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

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

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

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

Ala Arg Gly Tyr Trp Phe Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 334
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D05, VH

<400> 334

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Ile Ser
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 335
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D07, VH

<400> 335

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

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

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

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

Lys Gly Arg Phe Ala Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Phe Trp Ala Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 336

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-D09, VH

<400> 336

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Tyr
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 337
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-D10, VH

<400> 337

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Arg Asn
20 25 30

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

Gly Trp Ile Ser Pro Asn Asp Gly Thr Thr Asp Tyr Ala Asp Ser Val
50 55 60

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 338
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E01, VH

<400> 338

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

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

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 339

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E02, VH

<400> 339

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 340
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E03, VH

<400> 340

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Asn Tyr
20 25 30

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

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

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

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

Ala Arg Gly Ser Trp Ser Trp Pro Ala Gly His Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 341
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E05, VH

<400> 341

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

Ser Leu Arg Val Ser Cys Ala Ala Ser Gly Phe Asn Ile Gly Val Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Phe Trp Ala Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 342

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-E06, VH

<400> 342

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Asn Arg Tyr
20 25 30

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

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

Glu Gly Arg Phe Thr Thr Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Thr Trp Ser Trp Pro Ser Gly His Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 343

<211> 124

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-E07, VH

<400> 343

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Lys Ser
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 344
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F01, VH

<400> 344

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

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

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

Gly Ser Ile Phe Pro Asn Asp Gly Thr Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ala Trp Arg Ala Gly Tyr Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 345

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F02, VH

<400> 345

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

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

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

Gly Ser Ile Phe Pro Asn Asp Gly Thr Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Leu Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Gln Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 346

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F04, VH

<400> 346

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Phe Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 347

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F05, VH

<400> 347

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Lys Ser
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ala Trp Arg Ser Gly Tyr Ser Tyr Phe Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 348

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F06, VH

<400> 348

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Leu Ser
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Phe Trp Ala Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 349

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F07, VH

<400> 349

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn His
20 25 30

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

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

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

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

Ala Arg Gly Ser Trp Asp Trp Arg Ser Gly Tyr Ser Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 350

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F08, VH

<400> 350

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

Ser Leu Arg Leu Ser Cys Ala Ala Gly Gly Phe Asn Ile Ser Asn His
20 25 30

Ser Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Val Glu Trp Val
35 40 45

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

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 351
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F09, VH

<400> 351

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn His
20 25 30

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

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

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

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 352
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-F10, VH

<400> 352

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Asn
20 25 30

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

Gly Ser Ile Phe Pro Asn Asp Gly Tyr Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Phe Trp Arg Ser Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 353

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-F11, VH

<400> 353

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Asn Asn
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Met Asn Thr Ala 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 Ser Trp Tyr Trp Arg Ala Gly Tyr Gly Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 354

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G01, VH

<400> 354

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Arg His
20 25 30

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

Gly Trp Ile Ala Pro Asn Asp Gly Ser Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ala Trp Arg Ser Gly Tyr Ser Tyr Phe Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 355

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G03, VH

<400> 355

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

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

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

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

Lys Gly Arg Ser Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Pro Ser Gly His Gly Tyr Phe Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 356

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G04, VH

<400> 356

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile His Ser Thr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Tyr Pro Tyr Trp Phe Ala Gly Tyr Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 357
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G06, VH

<400> 357

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Ser Thr
20 25 30

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

Ala Tyr Ile Thr Pro Ala Gly Gly Ala Thr Tyr Tyr Ala Asp Asn Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Gln Pro Tyr Trp Phe Ala Gly Tyr Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 358
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G07, VH

<400> 358

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile His Ser Thr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Tyr Pro Phe Trp Phe Ala Gly Tyr Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 359

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-G09, VH

<400> 359

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Gly Thr
20 25 30

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

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

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

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

Ala Arg His Glu Tyr Trp Phe Ser Gly Tyr Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 360
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G10, VH

<400> 360

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Arg Ser Thr
20 25 30

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 361
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP1848-G11, VH

<400> 361

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Ser Ser Thr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Tyr Pro Tyr Trp Phe Ser Gly Tyr Met Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 362

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP1848-H01, VH

<400> 362

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala 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 Ser Trp Ser Trp Pro Ser Gly Met Asp Tyr Tyr Leu Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 363
<211> 126
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E10, VH

<400> 363

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 Phe Ser Gly Phe Ser Leu Ser Thr Phe
20 25 30

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

Trp Val Ser His Ile Trp Trp Asp Asp Asp Lys Tyr Tyr His Pro Ala
50 55 60

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

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

Cys Gly Arg Asn His Phe Pro His Tyr Tyr Gly Ser Ser His Trp Tyr
100 105 110

Phe Asn Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 364
<211> 126
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-E05, VH

<400> 364

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 Phe Ser Gly Phe Ser Leu Ser Thr Phe
20 25 30

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

Trp Val Ser His Ile Trp Trp Asp Asp Asp Lys Tyr Tyr His Pro Ala
50 55 60

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

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

Cys Gly Arg Asn His Phe Pro His Tyr Tyr Gly Ser Ser His Trp Tyr
100 105 110

Phe Asn Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 365

<211> 126

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: SRP2060-B01, VH

<400> 365

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 Leu Ser Gly Phe Ser Leu Ser Thr Phe
20 25 30

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

Trp Val Ser His Ile Trp Trp Asp Asp Asp Lys Tyr Tyr His Pro Ala
50 55 60

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

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

Cys Gly Arg Asn His Phe Pro His Tyr Tyr Gly Ser Ser His Trp Tyr
100 105 110

Phe Asn Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 366
<211> 126
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: SRP2060-A06, VH

<400> 366

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 Phe Ser Gly Phe Ser Leu Ser Thr Phe
20 25 30

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

Trp Val Gly His Ile Trp Trp Asp Asp Asp Lys Tyr Tyr Tyr Pro Ala
50 55 60

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

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

Cys Gly Arg Asn His Phe Pro His Tyr Tyr Gly Ser Ser His Trp Tyr
100 105 110

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

<210> 367
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: trastuzumab, VL

<400> 367

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 Val Asn Thr Ala
20 25 30

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

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

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

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

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

<210> 368

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC4, VL

<400> 368

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

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Asp Ile Asn Ser Tyr
20 25 30

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

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

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

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Asp Glu Phe Pro Tyr
85 90 95

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

<210> 369

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: H6D1-LC5, VL

<400> 369

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 Lys Ala Ser Gln Asp Ile Asn Ser Tyr
20 25 30

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

Tyr Arg Ala Asn Arg Leu Val Asp 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 Leu Gln Tyr Asp Glu Phe Pro Tyr
85 90 95

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

<210> 370

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Human IgG1 HC Constant

<400> 370

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

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

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr	Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	
				85					90					95		
Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	
				100					105					110		
Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	
				115					120					125		
Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	
				130					135					140		
Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	
				145					150					155		
Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	
				165					170					175		
Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	
				180					185					190		
His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	
				195					200					205		
Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	
				210					215					220		
Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	
				225					230					235		
Met	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	
				245					250					255		
Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	
				260					265					270		
Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	
				275					280					285		
Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	
				290					295					300		
Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	
				305					310					315		
Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys							
				325					330							

<210> 371
<211> 107
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Human IgG LC Constant Ckappa

<400> 371

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
1 5 10 15

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

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
35 40 45

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60

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

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

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 372
<211> 323
<212> PRT
<213> Mus musculus

<220>
<221> misc_feature
<223> Mouse IgG1 HC Constant

<400> 372

Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala
1 5 10 15

Ala Gln Thr Asn Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser
35 40 45

Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Asp	Leu	Tyr	Thr	Leu	50	55	60	
Ser	Ser	Ser	Val	Thr	Val	Pro	Ser	Ser	Thr	Trp	Pro	Ser	Glu	Thr	Val	65	70	75	80
Thr	Cys	Asn	Val	Ala	His	Pro	Ala	Ser	Ser	Thr	Lys	Val	Asp	Lys	Lys	85	90	95	
Ile	Val	Pro	Arg	Asp	Cys	Gly	Cys	Lys	Pro	Cys	Ile	Cys	Thr	Val	Pro	100	105	110	
Glu	Val	Ser	Ser	Val	Phe	Ile	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Val	Leu	115	120	125	
Thr	Ile	Thr	Leu	Thr	Pro	Lys	Val	Thr	Cys	Val	Val	Val	Asp	Ile	Ser	130	135	140	
Lys	Asp	Asp	Pro	Glu	Val	Gln	Phe	Ser	Trp	Phe	Val	Asp	Asp	Val	Glu	145	150	155	160
Val	His	Thr	Ala	Gln	Thr	Gln	Pro	Arg	Glu	Glu	Gln	Phe	Asn	Ser	Thr	165	170	175	
Phe	Arg	Ser	Val	Ser	Glu	Leu	Pro	Ile	Met	His	Gln	Asp	Trp	Leu	Asn	180	185	190	
Gly	Lys	Glu	Phe	Lys	Cys	Arg	Val	Asn	Ser	Ala	Ala	Phe	Pro	Ala	Pro	195	200	205	
Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Arg	Pro	Lys	Ala	Pro	Gln	210	215	220	
Val	Tyr	Thr	Ile	Pro	Pro	Pro	Lys	Glu	Gln	Met	Ala	Lys	Asp	Lys	Val	225	230	235	240
Ser	Leu	Thr	Cys	Met	Ile	Thr	Asp	Phe	Phe	Pro	Glu	Asp	Ile	Thr	Val	245	250	255	
Glu	Trp	Gln	Trp	Asn	Gly	Gln	Pro	Ala	Glu	Asn	Tyr	Lys	Asn	Thr	Gln	260	265	270	
Pro	Ile	Met	Asp	Thr	Asp	Gly	Ser	Tyr	Phe	Val	Tyr	Ser	Lys	Leu	Asn	275	280	285	
Val	Gln	Lys	Ser	Asn	Trp	Glu	Ala	Gly	Asn	Thr	Phe	Thr	Cys	Ser	Val	290	295	300	

Leu His Glu Gly Leu His Asn His His Thr Glu Lys Ser Leu Ser His
305 310 315 320

Ser Pro Gly

<210> 373
<211> 107
<212> PRT
<213> Mus musculus

<220>
<221> misc_feature
<223> Mouse IgG LC Constant Ckappa

<400> 373

Arg Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu
1 5 10 15

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

Tyr Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg
35 40 45

Gln Asn Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser
50 55 60

Thr Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu
65 70 75 80

Arg His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser
85 90 95

Pro Ile Val Lys Ser Phe Asn Arg Asn Glu Cys
100 105

<210> 374
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: Kappa LC

<400> 374

His Met Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
1 5 10 15

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
20 25 30

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
35 40 45

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
50 55 60

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

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

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 375
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic: Lambda LD

<400> 375

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

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
20 25 30

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
35 40 45

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

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
85 90 95

Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 376
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic: FlagHis Tag

<400> 376

Gly Ser Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Ser Gly His His
1 5 10 15

His His His His
20

<210> 377

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: Linker

<400> 377

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 378

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: Linker

<400> 378

Ala Ala Gly Ser Asp Gln Glu Pro Lys Ser Ser
1 5 10

<210> 379

<211> 247

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: 1848-B10-VH-(G4S)3-VL, scFv

<400> 379

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

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Thr Thr Thr
20 25 30

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

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

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

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

Cys Ala Arg Gly Gly Trp His Trp Arg Ser Gly Tyr Ser Tyr Tyr Leu
100 105 110

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

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

Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr
145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Asp Val Asn Thr Ala Val Ala Trp Tyr
165 170 175

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

Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly
195 200 205

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

Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Pro Thr Phe Gly Gln
225 230 235 240

Gly Thr Lys Val Glu Ile Lys
245

<210> 380

<211> 247

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: 1848-B10-VL-(G4S)3-VH, scFv

<400> 380

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

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: 1848-B10-VH-(G4S)3-VL, scFv-Fc

<400> 381

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

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Thr Thr Thr
20 25 30

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

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

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

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

Cys Ala Arg Gly Gly Trp His Trp Arg Ser Gly Tyr Ser Tyr Tyr Leu
100 105 110

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

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

Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr
145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Asp Val Asn Thr Ala Val Ala Trp Tyr
165 170 175

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

Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly
195 200 205

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

Thr	Tyr	Tyr	Cys	Gln	Gln	His	Tyr	Thr	Thr	Pro	Pro	Thr	Phe	Gly	Gln	225	230	235	240
Gly	Thr	Lys	Val	Glu	Ile	Lys	Ala	Ala	Gly	Ser	Asp	Gln	Glu	Pro	Lys	245	250	255	
Ser	Ser	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	260	265	270	
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	275	280	285	
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	290	295	300	
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	305	310	315	320
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	325	330	335	
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	340	345	350	
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	355	360	365	
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	370	375	380	
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	385	390	395	400
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	405	410	415	
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	420	425	430	
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	435	440	445	
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	450	455	460	
Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	465	470	475	480

Leu Ser Pro Gly Lys
485

<210> 382

<211> 485

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic: 1848-B10-VL-(G4S)3-VH, scFv-Fc

<400> 382

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

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

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

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

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

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

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

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val
115 120 125

Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser
130 135 140

Cys Ala Ala Ser Gly Phe Asn Thr Thr Thr Lys Ser Ile His Trp Val
145 150 155 160

Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly Glu Ile Tyr Pro
165 170 175

Arg Asp Gly Ile Thr Asp Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr
180 185 190

Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Ser
195 200 205

Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Gly	Gly	Trp	210	215	220	
His	Trp	Arg	Ser	Gly	Tyr	Ser	Tyr	Tyr	Leu	Asp	Tyr	Trp	Gly	Gln	Gly	225	230	235	240
Thr	Leu	Val	Thr	Val	Ser	Ser	Ala	Ala	Gly	Ser	Asp	Gln	Glu	Pro	Lys	245	250	255	
Ser	Ser	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	260	265	270	
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	275	280	285	
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	290	295	300	
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	305	310	315	320
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	325	330	335	
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	340	345	350	
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	355	360	365	
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	370	375	380	
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	385	390	395	400
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	405	410	415	
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	420	425	430	
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	435	440	445	
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	450	455	460	

Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser
465					470					475					480

Leu	Ser	Pro	Gly	Lys
				485