

SEQUENCE LISTING

<110> CYTOMX THERAPEUTICS, INC.

<120> Activatable Anti-CD166 Antibodies and Methods of Use Thereof

<130> CYTM-054_004WO (322001-2509)

<150> US 62/552,345

<151> 2017-08-30

<150> US 62/553,098

<151> 2017-08-31

<150> US 62/554,919

<151> 2017-09-06

<160> 481

<170> PatentIn version 3.5

<210> 1

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 1

Gly Ser Gly Gly Ser

1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 2

Gly Gly Gly Ser

1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 3

Gly Gly Ser Gly

1

<210> 4

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

<220>
<223> Linking Peptide

<400> 4

Gly Gly Ser Gly Gly
1 5

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

<220>
<223> Linking Peptide

<400> 5

Gly Ser Gly Ser Gly
1 5

<210> 6
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 6

Gly Ser Gly Gly Gly
1 5

<210> 7
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 7

Gly Gly Gly Ser Gly
1 5

<210> 8
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 8

Gly Ser Ser Ser Gly
1 5

<210> 9
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 9

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly
1 5 10

<210> 10
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 10

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly Gly
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 11

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
1 5 10

<210> 12
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Linking Peptide

<400> 12

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
1 5 10 15

<210> 13
<211> 10
<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 13

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly
1 5 10

<210> 14

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 14

Gly Ser Ser Gly Gly Ser Gly Gly Ser Gly Ser
1 5 10

<210> 15

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 15

Gly Gly Gly Ser
1

<210> 16

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 16

Gly Ser Ser Gly Thr
1 5

<210> 17

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking Peptide

<400> 17

Gly Ser Ser Gly

<210> 18

<400> 18
000

<210> 19

<400> 19
000

<210> 20

<400> 20
000

<210> 21

<400> 21
000

<210> 22

<400> 22
000

<210> 23

<400> 23
000

<210> 24

<400> 24
000

<210> 25

<400> 25
000

<210> 26

<400> 26
000

<210> 27

<400> 27
000

<210> 28

<400> 28
000

<210> 29

<400> 29
000

<210> 30

<400> 000	30
<210>	31
<400> 000	31
<210>	32
<400> 000	32
<210>	33
<400> 000	33
<210>	34
<400> 000	34
<210>	35
<400> 000	35
<210>	36
<400> 000	36
<210>	37
<400> 000	37
<210>	38
<400> 000	38
<210>	39
<400> 000	39
<210>	40
<400> 000	40
<210>	41
<400> 000	41
<210>	42
<400> 000	42

<210> 43

<400> 43
000

<210> 44

<400> 44
000

<210> 45

<400> 45
000

<210> 46

<400> 46
000

<210> 47

<400> 47
000

<210> 48

<400> 48
000

<210> 49

<400> 49
000

<210> 50

<400> 50
000

<210> 51

<400> 51
000

<210> 52

<400> 52
000

<210> 53

<400> 53
000

<210> 54

<400> 54
000

<210> 55

<400> 55
000

<210> 56

<400> 56
000

<210> 57

<400> 57
000

<210> 58

<400> 58
000

<210> 59

<400> 59
000

<210> 60

<400> 60
000

<210> 61

<400> 61
000

<210> 62

<400> 62
000

<210> 63

<400> 63
000

<210> 64

<400> 64
000

<210> 65

<400> 65
000

<210> 66

<400> 66
000

<210> 67

<400> 67
000

<210> 68

<400> 68

000

<210> 69

<400> 69
000

<210> 70

<400> 70
000

<210> 71

<400> 71
000

<210> 72

<400> 72
000

<210> 73

<400> 73
000

<210> 74

<400> 74
000

<210> 75

<400> 75
000

<210> 76

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Cleavable moiety

<400> 76

Ala Val Gly Leu Leu Ala Pro Pro Gly Gly Leu Ser Gly Arg Ser Asp
1 5 10 15

Asn His

<210> 77

<400> 77
000

<210> 78

<400> 78
000

<210> 79

<400> 79
000

<210> 80

<400> 80
000

<210> 81

<400> 81
000

<210> 82

<400> 82
000

<210> 83

<400> 83
000

<210> 84

<400> 84
000

<210> 85

<400> 85
000

<210> 86

<400> 86
000

<210> 87

<400> 87
000

<210> 88

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Spacer

<400> 88

Gln Gly Gln Ser Gly Gln
1 5

<210> 89

<211> 8

<212> PRT

<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 89

Pro Arg Phe Lys Ile Ile Gly Gly
1 5

<210> 90
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 90

Pro Arg Phe Arg Ile Ile Gly Gly
1 5

<210> 91
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 91

Ser Ser Arg His Arg Arg Ala Leu Asp
1 5

<210> 92
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 92

Arg Lys Ser Ser Ile Ile Ile Arg Met Arg Asp Val Val Leu
1 5 10

<210> 93
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 93

Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala
1 5 10 15

<210> 94
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Plasmin cleavable sequence

<400> 94

Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Arg Gly Asp Asp Ala
1 5 10 15

<210> 95
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Factor Xa cleavable sequence

<400> 95

Ile Glu Gly Arg
1

<210> 96
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Factor Xa cleavable sequence

<400> 96

Ile Asp Gly Arg
1

<210> 97
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Factor Xa cleavable sequence

<400> 97

Gly Gly Ser Ile Asp Gly Arg
1 5

<210> 98
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> MMP cleavable sequence

<400> 98

Pro Leu Gly Leu Trp Ala
1 5

<210> 99

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 99

Gly Pro Gln Gly Ile Ala Gly Gln
1 5

<210> 100

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 100

Gly Pro Gln Gly Leu Leu Gly Ala
1 5

<210> 101

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 101

Gly Ile Ala Gly Gln
1 5

<210> 102

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 102

Gly Pro Leu Gly Ile Ala Gly Ile
1 5

<210> 103
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 103

Gly Pro Glu Gly Leu Arg Val Gly
1 5

<210> 104
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 104

Tyr Gly Ala Gly Leu Gly Val Val
1 5

<210> 105
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 105

Ala Gly Leu Gly Val Val Glu Arg
1 5

<210> 106
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 106

Ala Gly Leu Gly Ile Ser Ser Thr
1 5

<210> 107
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 107

Glu Pro Gln Ala Leu Ala Met Ser
1 5

<210> 108

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 108

Gln Ala Leu Ala Met Ser Ala Ile
1 5

<210> 109

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 109

Ala Ala Tyr His Leu Val Ser Gln
1 5

<210> 110

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 110

Met Asp Ala Phe Leu Glu Ser Ser
1 5

<210> 111

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Collagenase cleavable sequence

<400> 111

Glu Ser Leu Pro Val Val Ala Val
1 5

<210> 112

<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Collagenase cleavable sequence

<400> 112

Ser Ala Pro Ala Val Glu Ser Glu
1 5

<210> 113
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Human fibroblast collagenase

<400> 113

Asp Val Ala Gln Phe Val Leu Thr
1 5

<210> 114
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Autolytic cleavage

<400> 114

Val Ala Gln Phe Val Leu Thr Glu
1 5

<210> 115
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Autolytic cleavage

<400> 115

Ala Gln Phe Val Leu Thr Glu Gly
1 5

<210> 116
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Autolytic cleavage

<400> 116

Pro Val Gln Pro Ile Gly Pro Gln
1 5

<210> 117

<211> 273

<212> PRT

<213> Artificial Sequence

<220>

<223> Anti-CTLA-4 scFv

<400> 117

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Ser Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Glu Ile Val Leu Thr Gln Ser Pro Gly
20 25 30

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

Ser Gln Ser Val Ser Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro
50 55 60

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr
65 70 75 80

Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
85 90 95

Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
100 105 110

Gln Gln Tyr Gly Ser Ser Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
115 120 125

Glu Ile Lys Arg Ser Gly Gly Ser Thr Ile Thr Ser Tyr Asn Val Tyr
130 135 140

Tyr Thr Lys Leu Ser Ser Ser Gly Thr Gln Val Gln Leu Val Gln Thr
145 150 155 160

Gly Gly Gly Val Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala
165 170 175

Ala Ser Gly Ser Thr Phe Ser Ser Tyr Ala Met Ser Trp Val Arg Gln
180 185 190

Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ala Ile Ser Gly Ser Gly
195 200 205

Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
210 215 220

Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg
225 230 235 240

Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Thr Asn Ser Leu Tyr Trp
245 250 255

Tyr Phe Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Ala
260 265 270

Ser

<210> 118
<211> 264
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-CD3-epsilon scFv

<400> 118

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Ser Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gln Val Gln Leu Gln Gln Ser Gly Ala
20 25 30

Glu Leu Ala Arg Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser
35 40 45

Gly Tyr Thr Phe Thr Arg Tyr Thr Met His Trp Val Lys Gln Arg Pro
50 55 60

Gly Gln Gly Leu Glu Trp Ile Gly Tyr Ile Asn Pro Ser Arg Gly Tyr
65 70 75 80

Thr Asn Tyr Asn Gln Lys Phe Lys Asp Lys Ala Thr Leu Thr Thr Asp
85 90 95

Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu
100 105 110

Asp Ser Ala Val Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr Cys
115 120 125

Leu Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Gly Gly
130 135 140

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ile Val
145 150 155 160

Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly Glu Lys Val
165 170 175

Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met Asn Trp Tyr
180 185 190

Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser
195 200 205

Lys Leu Ala Ser Gly Val Pro Ala His Phe Arg Gly Ser Gly Ser Gly
210 215 220

Thr Ser Tyr Ser Leu Thr Ile Ser Gly Met Glu Ala Glu Asp Ala Ala
225 230 235 240

Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr Phe Gly Ser
245 250 255

Gly Thr Lys Leu Glu Ile Asn Arg
260

<210> 119

<400> 119
000

<210> 120

<400> 120
000

<210> 121

<400> 121
000

<210> 122

<400> 122
000

<210> 123

<400> 123
000

<210> 124

<400> 124

000

<210> 125

<400> 125
000

<210> 126

<400> 126
000

<210> 127

<400> 127
000

<210> 128

<400> 128
000

<210> 129

<400> 129
000

<210> 130

<400> 130
000

<210> 131

<400> 131
000

<210> 132

<400> 132
000

<210> 133

<400> 133
000

<210> 134

<400> 134
000

<210> 135

<400> 135
000

<210> 136

<400> 136
000

<210> 137

<400> 137
000

<210> 138

<400> 138
000

<210> 139

<400> 139
000

<210> 140

<400> 140
000

<210> 141

<400> 141
000

<210> 142

<400> 142
000

<210> 143

<400> 143
000

<210> 144

<400> 144
000

<210> 145

<400> 145
000

<210> 146

<400> 146
000

<210> 147

<400> 147
000

<210> 148

<400> 148
000

<210> 149

<400> 149
000

<210> 150

<400> 000	150
<210>	151
<400> 000	151
<210>	152
<400> 000	152
<210>	153
<400> 000	153
<210>	154
<400> 000	154
<210>	155
<400> 000	155
<210>	156
<400> 000	156
<210>	157
<400> 000	157
<210>	158
<400> 000	158
<210>	159
<400> 000	159
<210>	160
<400> 000	160
<210>	161
<400> 000	161
<210>	162
<400> 000	162

<210> 163

<400> 163
000

<210> 164

<400> 164
000

<210> 165

<400> 165
000

<210> 166

<400> 166
000

<210> 167

<400> 167
000

<210> 168

<400> 168
000

<210> 169

<400> 169
000

<210> 170

<400> 170
000

<210> 171

<400> 171
000

<210> 172

<400> 172
000

<210> 173

<400> 173
000

<210> 174

<400> 174
000

<210> 175

<400> 175
000

<210> 176

<400> 176
000

<210> 177

<400> 177
000

<210> 178

<400> 178
000

<210> 179

<400> 179
000

<210> 180

<400> 180
000

<210> 181

<400> 181
000

<210> 182

<400> 182
000

<210> 183

<400> 183
000

<210> 184

<400> 184
000

<210> 185

<400> 185
000

<210> 186

<400> 186
000

<210> 187

<400> 187
000

<210> 188

<400> 188

000

<210> 189

<400> 189
000

<210> 190

<400> 190
000

<210> 191

<400> 191
000

<210> 192

<400> 192
000

<210> 193

<400> 193
000

<210> 194

<400> 194
000

<210> 195

<400> 195
000

<210> 196

<400> 196
000

<210> 197

<400> 197
000

<210> 198

<400> 198
000

<210> 199

<400> 199
000

<210> 200

<400> 200
000

<210> 201

<400> 201
000

<210> 202

<400> 202
000

<210> 203

<400> 203
000

<210> 204

<400> 204
000

<210> 205

<400> 205
000

<210> 206

<400> 206
000

<210> 207

<400> 207
000

<210> 208

<400> 208
000

<210> 209

<400> 209
000

<210> 210

<400> 210
000

<210> 211

<400> 211
000

<210> 212

<400> 212
000

<210> 213

<400> 213
000

<210> 214

<400> 214
000

<210> 215

<400> 215
000

<210> 216

<400> 216
000

<210> 217

<400> 217
000

<210> 218

<400> 218
000

<210> 219

<400> 219
000

<210> 220

<400> 220
000

<210> 221

<400> 221
000

<210> 222

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Masking moiety

<400> 222

Leu Cys His Pro Ala Val Leu Ser Ala Trp Glu Ser Cys Ser Ser
1 5 10 15

<210> 223

<400> 223
000

<210> 224

<400> 224
000

<210> 225

<400> 000	225
<210>	226
<400> 000	226
<210>	227
<400> 000	227
<210>	228
<400> 000	228
<210>	229
<400> 000	229
<210>	230
<400> 000	230
<210>	231
<400> 000	231
<210>	232
<400> 000	232
<210>	233
<400> 000	233
<210>	234
<400> 000	234
<210>	235
<400> 000	235
<210>	236
<400> 000	236
<210>	237
<400> 000	237

<210> 238

<400> 238
000

<210> 239

<211> 451

<212> PRT

<213> Artificial Sequence

<220>

<223> Human alpha-CD166 Heavy Chain

<400> 239

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

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

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

Trp Leu Ala Asn Ile Trp Trp Ser Glu Asp Lys His Tyr Ser Pro Ser
50 55 60

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

Val Leu Thr Ile Thr Asn Val Asp Pro Val Asp Thr Ala Thr Tyr Tyr
85 90 95

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

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

Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140

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

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

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

Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His

195

200

205

Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys
 210 215 220

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
 225 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
 245 250 255

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
 260 265 270

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
 275 280 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
 290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
 305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
 325 330 335

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

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

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

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 385 390 395 400

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

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 435 440 445

Pro Gly Lys

<210> 240
 <211> 219
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Human alpha-CD166 Light Chain VL domain

<400> 240

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

Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser
 20 25 30

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

Pro Gln Leu Leu Ile Tyr Gln Met Ser Asn Leu Ala Ser Gly Val Pro
 50 55 60

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

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

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

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
 115 120 125

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
 130 135 140

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
 145 150 155 160

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
 165 170 175

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
 180 185 190

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
 195 200 205

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
 210 215

<210> 241
 <211> 1353
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Human alpha-CD166 Heavy Chain

<400> 241
 cagatcaccc tgaaagagtc cggccccacc ctggtgaaac ccaccagac cctgaccctg 60
 acatgcacct tctccggctt cagcctgtcc acctacggca tgggcgtggg ctggatcagg 120
 cagcctcctg gcaaggccct ggaatggctg gccaacatct ggtggtccga ggacaagcac 180
 tactccccca gcctgaagtc ccggctgacc atcaccaagg acacctccaa gaaccagggtg 240
 gtgctgacaa tcacaaacgt ggaccccgctg gacaccgcca cctactactg cgtgcagatc 300
 gactacggca acgactacgc cttcacctac tggggccagg gcacactggt gacagtgtcc 360
 tccgcctcca ccaagggccc ctccgtgttc cctctggccc cttccagcaa gtccacctct 420
 ggcggcacag ctgccctggg ctgcctggtg aaagactact tccccgagcc cgtgaccgtg 480
 tcctggaact ctggcgccct gaccagcggg gtgcacacct tccctgccgt gctgcagtcc 540
 tccggcctgt actccctgtc ctccgtggtg accgtgccct ccagctctct gggcacccag 600
 acctacatct gcaacgtgaa ccacaagccc tccaacacca aggtggacaa gaaggtggaa 660
 cccaagtcct gcgacaagac ccacacctgt cccccctgcc ctgcccctga actgctgggc 720
 ggaccttccg tgtttctgtt ccccccaaag cctaaggaca ccctgatgat ctcccggaac 780
 cccgaagtga cctgcgtggt ggtggacgtg tcccacgagg accctgaagt gaagttcaat 840
 tgggtacgtg acggcgtgga agtgcacaac gccaaagacca agcccagaga ggaacagtac 900
 aactccacct accgggtggt gtctgtgctg accgtgctgc accaggactg gctgaacggc 960
 aaagagtaca agtgcaagggt gtccaacaag gccctgcctg ccccatcga aaagaccatc 1020
 tccaaggcca agggccagcc ccgcgagcct caggtgtaca cactgcccc tagccgggaa 1080
 gagatgacca agaatcaggt gtccctgacc tgtctggtga aaggcttcta cccctccgat 1140
 atcgccgtgg aatgggagtc caacggccag cccgagaaca actacaagac cccccccct 1200
 gtgctggact ccgacggctc attcttcctg tactccaagc tgaccgtgga caagtcccg 1260
 tggcagcagg gcaacgtgtt ctctgcagc gtgatgcacg aggccctgca caaccactac 1320
 acccagaagt ccctgtccct gagccccggc aag 1353

<210> 242
 <400> 242

000

<210> 243

<400> 243
000

<210> 244

<400> 244
000

<210> 245

<400> 245
000

<210> 246

<211> 270

<212> PRT

<213> Artificial Sequence

<220>

<223> Human alpha-CD166 Light Chain

<400> 246

Gln Gly Gln Ser Gly Gln Gly Leu Cys His Pro Ala Val Leu Ser Ala
1 5 10 15

Trp Glu Ser Cys Ser Ser Gly Gly Gly Ser Ser Gly Gly Ser Ala Val
20 25 30

Gly Leu Leu Ala Pro Pro Gly Gly Leu Ser Gly Arg Ser Asp Asn His
35 40 45

Gly Gly Ser Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val
50 55 60

Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu
65 70 75 80

Leu His Ser Asn Gly Ile Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro
85 90 95

Gly Gln Ser Pro Gln Leu Leu Ile Tyr Gln Met Ser Asn Leu Ala Ser
100 105 110

Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
115 120 125

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys
130 135 140

Ala Gln Asn Leu Glu Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu

145		150		155		160
Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro						
		165		170		175
Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu						
		180		185		190
Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn						
		195		200		205
Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser						
		210		215		220
Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala						
		225		230		235
						240
Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly						
		245		250		255
Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys						
		260		265		270

<210> 247
 <211> 810
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Human alpha-CD166 Light Chain

<400> 247	
cagggacagt ctggccaggg cctgtgtcac cctgctgtgc tgtctgcctg ggagtcctgt	60
tccagcggcg gaggtcctc tggcggctct gctgtgggccc tgctggctcc acctggcggc	120
ctgtccggca gatctgacaa ccacggcggc tccgacatcg tgatgacca gtccccctg	180
tccctgcccg tgactcctgg cgagcctgcc tccatctcct gccggtcctc caagtccctg	240
ctgcactcca acggcatcac ctacctgtac tggatatctgc agaagcccgg ccagtcccct	300
cagctgctga tctaccagat gtccaacctg gcctccggcg tgcccgcacg attctccggc	360
tctggctccg gcaccgactt caccctgaag atctcccggg tggaagccga ggacgtgggc	420
gtgtactact gcgccagaa cctggaactg ccctacacct tcggccaggg caccaagctg	480
gaaatcaagc ggaccgtggc cgctccctcc gtgttcatct tcccaccctc cgacgagcag	540
ctgaagtccg gcaccgcctc cgtgggtctgc ctgctgaaca acttctacct ccgcgaggcc	600
aaggtgcagt ggaaggtgga caacgccctg cagtccggca actcccagga atccgtcacc	660
gagcaggact ccaaggacag cacctactcc ctgtcctcca cctgaccct gtccaaggcc	720

gactacgaga agcacaaggt gtacgcctgc gaagtgaccc accagggact gagcagcccc	780
gtgaccaagt ccttcaaccg gggcgagtgc	810
<210> 248	
<400> 248	
000	
<210> 249	
<400> 249	
000	
<210> 250	
<400> 250	
000	
<210> 251	
<400> 251	
000	
<210> 252	
<400> 252	
000	
<210> 253	
<400> 253	
000	
<210> 254	
<400> 254	
000	
<210> 255	
<400> 255	
000	
<210> 256	
<400> 256	
000	
<210> 257	
<400> 257	
000	
<210> 258	
<400> 258	
000	
<210> 259	
<400> 259	
000	

<210> 260

<400> 260
000

<210> 261

<400> 261
000

<210> 262

<400> 262
000

<210> 263

<400> 263
000

<210> 264

<400> 264
000

<210> 265

<400> 265
000

<210> 266

<400> 266
000

<210> 267

<400> 267
000

<210> 268

<400> 268
000

<210> 269

<400> 269
000

<210> 270

<400> 270
000

<210> 271

<400> 271
000

<210> 272

<400> 272

000

<210> 273

<400> 273
000

<210> 274

<400> 274
000

<210> 275

<400> 275
000

<210> 276

<400> 276
000

<210> 277

<400> 277
000

<210> 278

<400> 278
000

<210> 279

<400> 279
000

<210> 280

<400> 280
000

<210> 281

<400> 281
000

<210> 282

<400> 282
000

<210> 283

<400> 283
000

<210> 284

<400> 284
000

<210> 285

<400> 285
000

<210> 286

<400> 286
000

<210> 287

<400> 287
000

<210> 288

<400> 288
000

<210> 289

<400> 289
000

<210> 290

<400> 290
000

<210> 291

<400> 291
000

<210> 292

<400> 292
000

<210> 293

<400> 293
000

<210> 294

<400> 294
000

<210> 295

<400> 295
000

<210> 296

<400> 296
000

<210> 297

<400> 297
000

<210> 298

<400> 298
000

<210> 299

<400> 299
000

<210> 300

<400> 300
000

<210> 301

<400> 301
000

<210> 302

<400> 302
000

<210> 303

<400> 303
000

<210> 304

<400> 304
000

<210> 305

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Spacer

<400> 305

Gln Gly Gln Ser Gly Gln Gly
1 5

<210> 306

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Spacer

<400> 306

Gln Gly Gln Ser Gly
1 5

<210> 307

<211> 4

<212> PRT
<213> Artificial Sequence

<220>
<223> Spacer

<400> 307

Gln Gly Gln Ser
1

<210> 308

<400> 308
000

<210> 309

<400> 309
000

<210> 310

<400> 310
000

<210> 311

<400> 311
000

<210> 312

<400> 312
000

<210> 313

<400> 313
000

<210> 314

<211> 263

<212> PRT

<213> Artificial Sequence

<220>

<223> Human alpha-CD166 Light Chain

<400> 314

Leu Cys His Pro Ala Val Leu Ser Ala Trp Glu Ser Cys Ser Ser Gly
1 5 10 15

Gly Gly Ser Ser Gly Gly Ser Ala Val Gly Leu Leu Ala Pro Pro Gly
20 25 30

Gly Leu Ser Gly Arg Ser Asp Asn His Gly Gly Ser Asp Ile Val Met
35 40 45

Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly Glu Pro Ala Ser
 50 55 60
 Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser Asn Gly Ile Thr
 65 70 75 80
 Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu
 85 90 95
 Ile Tyr Gln Met Ser Asn Leu Ala Ser Gly Val Pro Asp Arg Phe Ser
 100 105 110
 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu
 115 120 125
 Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Gln Asn Leu Glu Leu Pro
 130 135 140
 Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala
 145 150 155 160
 Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
 165 170 175
 Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
 180 185 190
 Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
 195 200 205
 Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
 210 215 220
 Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
 225 230 235 240
 Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys
 245 250 255
 Ser Phe Asn Arg Gly Glu Cys
 260

<210> 315

<211> 789

<212> DNA

<213> Artificial Sequence

<220>

<223> Human alpha-CD166 Light Chain

<400> 315
 ctgtgtcacc ctgctgtgct gtctgcctgg gagtcctggt ccagcggcgg aggctcctct 60
 ggcggctctg ctgtgggcct gctggctcca cctggcggcc tgtccggcag atctgacaac 120
 cacggcggct ccgacatcgt gatgaccag tccccctgt ccctgccctg gactcctggc 180
 gagcctgcct ccatctcctg ccggtcctcc aagtccctgc tgcactccaa cggcatcacc 240
 tacctgtact ggtatctgca gaagcccggc cagtcccctc agctgctgat ctaccagatg 300
 tccaacctgg cctccggcgt gcccgacaga ttctccggct ctggctccgg caccgacttc 360
 accctgaaga tctcccgggt ggaagccgag gacgtgggcg tgtactactg cgcccagaac 420
 ctggaactgc cctacacctt cggccagggc accaagctgg aaatcaagcg gaccgtggcc 480
 gctccctccg tgttcatctt cccaccctcc gacgagcagc tgaagtccgg caccgcctcc 540
 gtggtctgcc tgctgaacaa cttctacccc cgcgaggcca aggtgcagtg gaaggtggac 600
 aacgccctgc agtccggcaa ctcccaggaa tccgtcaccg agcaggactc caaggacagc 660
 acctactccc tgtcctccac cctgaccctg tccaaggccg actacgagaa gcacaagggtg 720
 tacgcctgcg aagtgaccca ccagggactg agcagccccg tgaccaagtc cttcaaccgg 780
 ggcgagtgc 789

<210> 316

<400> 316
 000

<210> 317

<400> 317
 000

<210> 318

<400> 318
 000

<210> 319

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Spacer

<400> 319

cagggacagt ctggccaggg c 21

<210> 320

<400> 320
 000

<210> 321

<400> 321
000

<210> 322

<400> 322
000

<210> 323

<400> 323
000

<210> 324

<400> 324
000

<210> 325

<400> 325
000

<210> 326

<400> 326
000

<210> 327

<400> 327
000

<210> 328

<400> 328
000

<210> 329

<400> 329
000

<210> 330

<400> 330
000

<210> 331

<400> 331
000

<210> 332

<400> 332
000

<210> 333

<400> 333
000

<210> 334

<400> 000	334
<210>	335
<400> 000	335
<210>	336
<400> 000	336
<210>	337
<400> 000	337
<210>	338
<400> 000	338
<210>	339
<400> 000	339
<210>	340
<400> 000	340
<210>	341
<400> 000	341
<210>	342
<400> 000	342
<210>	343
<400> 000	343
<210>	344
<400> 000	344
<210>	345
<400> 000	345
<210>	346
<400> 000	346

<210> 347

<400> 347
000

<210> 348

<400> 348
000

<210> 349

<400> 349
000

<210> 350

<400> 350
000

<210> 351

<400> 351
000

<210> 352

<400> 352
000

<210> 353

<400> 353
000

<210> 354

<400> 354
000

<210> 355

<400> 355
000

<210> 356

<400> 356
000

<210> 357

<400> 357
000

<210> 358

<400> 358
000

<210> 359

<211> 6

<212> PRT

<213> Artificial Sequence

<220>
<223> Spacer

<400> 359

Gly Gln Ser Gly Gln Gly
1 5

<210> 360
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Spacer

<400> 360

Gln Ser Gly Gln Gly
1 5

<210> 361
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Spacer

<400> 361

Ser Gly Gln Gly
1

<210> 362

<400> 362
000

<210> 363

<400> 363
000

<210> 364

<400> 364
000

<210> 365

<400> 365
000

<210> 366

<400> 366
000

<210> 367

<400> 000	367
<210>	368
<400> 000	368
<210>	369
<400> 000	369
<210>	370
<400> 000	370
<210>	371
<400> 000	371
<210>	372
<400> 000	372
<210>	373
<400> 000	373
<210>	374
<400> 000	374
<210>	375
<400> 000	375
<210>	376
<400> 000	376
<210>	377
<400> 000	377
<210>	378
<400> 000	378
<210>	379
<400> 000	379

<210> 380

<400> 380
000

<210> 381

<400> 381
000

<210> 382

<400> 382
000

<210> 383

<400> 383
000

<210> 384

<400> 384
000

<210> 385

<400> 385
000

<210> 386

<400> 386
000

<210> 387

<400> 387
000

<210> 388

<400> 388
000

<210> 389

<400> 389
000

<210> 390

<400> 390
000

<210> 391

<400> 391
000

<210> 392

<400> 392
000

<210> 393

<400> 393
000

<210> 394

<400> 394
000

<210> 395

<400> 395
000

<210> 396

<400> 396
000

<210> 397

<400> 397
000

<210> 398

<400> 398
000

<210> 399

<400> 399
000

<210> 400

<400> 400
000

<210> 401

<400> 401
000

<210> 402

<400> 402
000

<210> 403

<400> 403
000

<210> 404

<400> 404
000

<210> 405

<400> 405

000

<210> 406

<400> 406
000

<210> 407

<400> 407
000

<210> 408

<400> 408
000

<210> 409

<400> 409
000

<210> 410

<400> 410
000

<210> 411

<400> 411
000

<210> 412

<400> 412
000

<210> 413

<400> 413
000

<210> 414

<400> 414
000

<210> 415

<400> 415
000

<210> 416

<400> 416
000

<210> 417

<400> 417
000

<210> 418

<400> 418
000

<210> 419

<400> 419
000

<210> 420

<400> 420
000

<210> 421

<400> 421
000

<210> 422

<400> 422
000

<210> 423

<400> 423
000

<210> 424

<400> 424
000

<210> 425

<400> 425
000

<210> 426

<400> 426
000

<210> 427

<400> 427
000

<210> 428

<400> 428
000

<210> 429

<400> 429
000

<210> 430

<400> 430
000

<210> 431

<400> 000	431
<210>	432
<400> 000	432
<210>	433
<400> 000	433
<210>	434
<400> 000	434
<210>	435
<400> 000	435
<210>	436
<400> 000	436
<210>	437
<400> 000	437
<210>	438
<400> 000	438
<210>	439
<400> 000	439
<210>	440
<400> 000	440
<210>	441
<400> 000	441
<210>	442
<400> 000	442
<210>	443
<400> 000	443

<210> 444

<400> 444
000

<210> 445

<400> 445
000

<210> 446

<400> 446
000

<210> 447

<400> 447
000

<210> 448

<400> 448
000

<210> 449

<400> 449
000

<210> 450

<400> 450
000

<210> 451

<400> 451
000

<210> 452

<400> 452
000

<210> 453

<400> 453
000

<210> 454

<400> 454
000

<210> 455

<400> 455
000

<210> 456

<400> 456
000

<210> 457

<400> 457
000

<210> 458

<400> 458
000

<210> 459

<400> 459
000

<210> 460

<400> 460
000

<210> 461

<400> 461
000

<210> 462

<400> 462
000

<210> 463

<400> 463
000

<210> 464

<400> 464
000

<210> 465

<400> 465
000

<210> 466

<400> 466
000

<210> 467

<400> 467
000

<210> 468

<400> 468
000

<210> 469

<400> 469

000

<210> 470

<400> 470
000

<210> 471

<400> 471
000

<210> 472

<400> 472
000

<210> 473

<400> 473
000

<210> 474

<400> 474
000

<210> 475

<400> 475
000

<210> 476

<400> 476
000

<210> 477

<400> 477
000

<210> 478

<400> 478
000

<210> 479

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Linking peptide

<400> 479

Gly Gly Gly Ser Ser Gly Gly Ser
1 5

<210> 480

<211> 450

<212> PRT

<213> Artificial Sequence

<220>

<223> Human alpha-CD166 Heavy Chain

<400> 480

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

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

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

Trp Leu Ala Asn Ile Trp Trp Ser Glu Asp Lys His Tyr Ser Pro Ser
50 55 60

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

Val Leu Thr Ile Thr Asn Val Asp Pro Val Asp Thr Ala Thr Tyr Tyr
85 90 95

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

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

Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140

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

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

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

Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys
210 215 220

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly

225		230		235		240									
Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met
				245					250					255	
Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His
			260					265					270		
Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val
		275					280					285			
His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr
	290					295					300				
Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly
305					310					315					320
Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile
				325					330					335	
Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val
			340					345					350		
Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	Val	Ser
		355					360					365			
Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu
	370					375					380				
Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro
385					390					395					400
Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val
				405					410					415	
Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met
			420					425					430		
His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser
		435					440					445			
Pro	Gly														
	450														

<210> 481
 <211> 1350
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Human alpha-CD166 Heavy Chain

<400> 481

cagatcaccc	tgaagagtc	cggccccacc	ctggtgaaac	ccaccagac	cctgaccctg	60
acatgcacct	tctccggctt	cagcctgtcc	acctacggca	tgggcgtggg	ctggatcagg	120
cagcctcctg	gcaaggccct	ggaatggctg	gccaacatct	ggtgggccga	ggacaagcac	180
tactccccca	gcctgaagtc	ccggctgacc	atcaccaagg	acacctccaa	gaaccaggtg	240
gtgctgacaa	tcacaaacgt	ggaccccgtg	gacaccgcca	cctactactg	cgtgcagatc	300
gactacggca	acgactacgc	cttcacctac	tggggccagg	gcacactggt	gacagtgtcc	360
tccgcctcca	ccaagggccc	ctccgtgttc	cctctggccc	cttcagcaa	gtccacctct	420
ggcggcacag	ctgccctggg	ctgcctgggt	aaagactact	tccccgagcc	cgtgaccgtg	480
tcttggaact	ctggcgccct	gaccagcgga	gtgcacacct	tccctgccgt	gctgcagtcc	540
tccggcctgt	actccctgtc	ctccgtgggt	accgtgccct	ccagctctct	gggcacccag	600
acctacatct	gcaacgtgaa	ccacaagccc	tccaacacca	aggtggacaa	gaaggtggaa	660
cccaagtcct	gcgacaagac	ccacacctgt	ccccctgcc	ctgcccctga	actgctgggc	720
ggaccttccg	tgtttctgtt	ccccccaaag	cctaaggaca	ccctgatgat	ctccccgacc	780
cccgaagtga	cctgcgtggt	ggtggacgtg	tcccacgagg	accctgaagt	gaagttcaat	840
tggtagctgg	acggcgtgga	agtgcacaac	gccaagacca	agcccagaga	ggaacagtac	900
aactccacct	accgggtggt	gtctgtgctg	accgtgctgc	accaggactg	gctgaacggc	960
aaagagtaca	agtgcaaggt	gtccaacaag	gccctgcctg	cccccatcga	aaagaccatc	1020
tccaaggcca	agggccagcc	ccgcgagcct	caggtgtaca	cactgcccc	tagccgggaa	1080
gagatgacca	agaatcaggt	gtccctgacc	tgtctggtga	aaggcttcta	cccctccgat	1140
atcgccgtgg	aatgggagtc	caacggccag	cccgagaaca	actacaagac	cacccccct	1200
gtgctggact	ccgacggctc	attcttcctg	tactccaagc	tgaccgtgga	caagtcccgg	1260
tggcagcagg	gcaacgtgtt	ctcctgcagc	gtgatgcacg	aggccctgca	caaccactac	1320
accagaagt	ccctgtccct	gagccccggc				1350