

X20280 Sequence Listing
SEQUENCE LISTING

<110> Eli Lilly and Company

<120> Ang2 Antibodies

<130> X20280

<150> 62/000,253

<151> 2014-05-19

<160> 13

<170> PatentIn version 3.5

<210> 1

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 1

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

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 2

<211> 447

<212> PRT

<213> Artificial Sequence

<220>

X20280 Sequence Listing

<223> Synthetic Construct

<400> 2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser
225 230 235 240

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

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro
260 265 270

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

Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr
325 330 335

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

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

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

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

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

Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly
435 440 445

<210> 3
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 3

X20280 Sequence Listing

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

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

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

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

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

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Ser Ser Tyr Pro Pro
85 90 95

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

<210> 4
<211> 214
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 4

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

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

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

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

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

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Ser Ser Tyr Pro Pro
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
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X20280 Sequence Listing

100

105

110

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

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

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

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

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

Phe Asn Arg Gly Glu Cys
210

<210> 5
<211> 642
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 5
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atcacttgta aggccagtca ggatgtgtat attgctgtag cctggatatca gcagaaacca 120
gggaaagccc ctaagctcct gatctattgg gcatccaccc gggacactgg ggtcccatca 180
aggttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct 240
gaagattttg caacttacta ttgtcaccaa tatagcagct atcctcctac gttcggcgga 300
gggaccaagg tggagatcaa acggactgtg gctgcaccat ctgtcttcat cttcccgcc 360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420
cccagagagg ccaaagtaca gtggaagggtg gataacgccc tccaatcggg taactcccag 480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gc 642

X20280 Sequence Listing

<210> 6
 <211> 1341
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Construct

<400> 6
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 tcctgcaagg cttctgggta ctcatctact gactacaaca tgggtgtgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggatat attgatcctt acaatgggtg tactggctac 180
 aaccagaagt tcgagggcag agtcaccatg accacagaca catccacgag cacagcctac 240
 atggagctga ggagcctgag atctgacgac acggccgtgt attactgtgc gagaacgagg 300
 gataggtacg acgtctggta cttcgatgtc tggggccagg gaaccctggc caccgtctcc 360
 tcagcctcca ccaagggccc atcgggtctt ccgctagcgc cctgctccag gagcacctcc 420
 gagagcacag ccgccctggg ctgcctgggtc aaggactact tccccgaacc ggtgacgggtg 480
 tcgtggaact caggcgccct gaccagcggc gtgcacacct tcccggctgt cctacagtcc 540
 tcaggactct actccctcag cagcgtgggtg accgtgccct ccagcagctt gggcacgaag 600
 acctacacct gcaacgtaga tcacaagccc agcaacacca aggtggacaa gagagttgag 660
 tccaaatatg gtcccccatg cccaccctgc ccagcacctg aggccgccgg gggaccatca 720
 gtcttctctgt tcccccaaaa acccaaggac actctcatga tctcccggac ccctgagggtc 780
 acgtgcgtgg tgggtggacgt gagccaggaa gaccccgagg tccagttcaa ctggtacgtg 840
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 aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct accccagcga catcgccgtg 1140
 gagtgggaaa gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac 1200
 tccgacggct ccttcttcct ctacagcagg ctaaccgtgg acaagagcag gtggcaggag 1260
 gggaatgtct tctcatgtc cgtgatgcat gaggctctgc acaaccacta cacacagaag 1320
 agcctctccc tgtctctggg t 1341

<210> 7
 <211> 478
 <212> PRT
 <213> Homo sapiens

<400> 7

X20280 Sequence Listing

Tyr Asn Asn Phe Arg Lys Ser Met Asp Ser Ile Gly Lys Lys Gln Tyr
 1 5 10 15
 Gln Val Gln His Gly Ser Cys Ser Tyr Thr Phe Leu Leu Pro Glu Met
 20 25 30
 Asp Asn Cys Arg Ser Ser Ser Ser Pro Tyr Val Ser Asn Ala Val Gln
 35 40 45
 Arg Asp Ala Pro Leu Glu Tyr Asp Asp Ser Val Gln Arg Leu Gln Val
 50 55 60
 Leu Glu Asn Ile Met Glu Asn Asn Thr Gln Trp Leu Met Lys Leu Glu
 65 70 75 80
 Asn Tyr Ile Gln Asp Asn Met Lys Lys Glu Met Val Glu Ile Gln Gln
 85 90 95
 Asn Ala Val Gln Asn Gln Thr Ala Val Met Ile Glu Ile Gly Thr Asn
 100 105 110
 Leu Leu Asn Gln Thr Ala Glu Gln Thr Arg Lys Leu Thr Asp Val Glu
 115 120 125
 Ala Gln Val Leu Asn Gln Thr Thr Arg Leu Glu Leu Gln Leu Leu Glu
 130 135 140
 His Ser Leu Ser Thr Asn Lys Leu Glu Lys Gln Ile Leu Asp Gln Thr
 145 150 155 160
 Ser Glu Ile Asn Lys Leu Gln Asp Lys Asn Ser Phe Leu Glu Lys Lys
 165 170 175
 Val Leu Ala Met Glu Asp Lys His Ile Ile Gln Leu Gln Ser Ile Lys
 180 185 190
 Glu Glu Lys Asp Gln Leu Gln Val Leu Val Ser Lys Gln Asn Ser Ile
 195 200 205
 Ile Glu Glu Leu Glu Lys Lys Ile Val Thr Ala Thr Val Asn Asn Ser
 210 215 220
 Val Leu Gln Lys Gln Gln His Asp Leu Met Glu Thr Val Asn Asn Leu
 225 230 235 240
 Leu Thr Met Met Ser Thr Ser Asn Ser Ala Lys Asp Pro Thr Val Ala
 245 250 255

X20280 Sequence Listing

Lys Glu Glu Gln Ile Ser Phe Arg Asp Cys Ala Glu Val Phe Lys Ser
260 265 270

Gly His Thr Thr Asn Gly Ile Tyr Thr Leu Thr Phe Pro Asn Ser Thr
275 280 285

Glu Glu Ile Lys Ala Tyr Cys Asp Met Glu Ala Gly Gly Gly Gly Trp
290 295 300

Thr Ile Ile Gln Arg Arg Glu Asp Gly Ser Val Asp Phe Gln Arg Thr
305 310 315 320

Trp Lys Glu Tyr Lys Val Gly Phe Gly Asn Pro Ser Gly Glu Tyr Trp
325 330 335

Leu Gly Asn Glu Phe Val Ser Gln Leu Thr Asn Gln Gln Arg Tyr Val
340 345 350

Leu Lys Ile His Leu Lys Asp Trp Glu Gly Asn Glu Ala Tyr Ser Leu
355 360 365

Tyr Glu His Phe Tyr Leu Ser Ser Glu Glu Leu Asn Tyr Arg Ile His
370 375 380

Leu Lys Gly Leu Thr Gly Thr Ala Gly Lys Ile Ser Ser Ile Ser Gln
385 390 395 400

Pro Gly Asn Asp Phe Ser Thr Lys Asp Gly Asp Asn Asp Lys Cys Ile
405 410 415

Cys Lys Cys Ser Gln Met Leu Thr Gly Gly Trp Trp Phe Asp Ala Cys
420 425 430

Gly Pro Ser Asn Leu Asn Gly Met Tyr Tyr Pro Gln Arg Gln Asn Thr
435 440 445

Asn Lys Phe Asn Gly Ile Lys Trp Tyr Tyr Trp Lys Gly Ser Gly Tyr
450 455 460

Ser Leu Lys Ala Thr Thr Met Met Ile Arg Pro Ala Asp Phe
465 470 475

<210> 8

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

X20280 Sequence Listing

<223> Synthetic Construct

<400> 8

Lys Ala Ser Gln Asp Val Tyr Ile Ala Val Ala
1 5 10

<210> 9

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 9

Tyr Trp Ala Ser Thr Arg Asp Thr
1 5

<210> 10

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 10

His Gln Tyr Ser Ser Tyr Pro Pro Thr
1 5

<210> 11

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 11

Gly Tyr Ser Phe Thr Asp Tyr Asn Met Val
1 5 10

<210> 12

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 12

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

x20280 Sequence Listing

Gly

<210> 13

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 13

Ala Arg Thr Arg Asp Arg Tyr Asp Val Trp Tyr Phe Asp Val
1 5 10