

X20141sequencelistingST25
SEQUENCE LISTING

<110> Eli Lilly and Company

<120> IL-21 ANTIBODIES

<130> X20141

<150> 61/968550

<151> 2014-03-21

<160> 17

<170> PatentIn version 3.5

<210> 1

<211> 117

<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	Thr	Phe	Thr	Asp	Tyr
		20					25						30		

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

Gly	Leu	Ile	Asp	Thr	Ser	Asp	Val	Tyr	Thr	Ile	Tyr	Asn	Gln	Lys	Phe
	50					55					60				

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

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

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Ala Arg Tyr Gly Pro Leu Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 2
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 2

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 Ile Ser Asn Tyr
20 25 30

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

Tyr Tyr Thr Ser Arg Leu His Ser 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 Gln Gln Phe His Thr Leu Arg Thr
85 90 95

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

<210> 3

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<211> 443
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

<400> 3

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 Thr Phe Thr Asp Tyr
 20 25 30

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

Gly Leu Ile Asp Thr Ser Asp Val Tyr Thr Ile Tyr Asn Gln Lys Phe
 50 55 60

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

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

Ala Arg Tyr Gly Pro Leu Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu
 100 105 110

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

Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys
 130 135 140

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser
 145 150 155 160

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

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

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

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

Pro Cys Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser Val Phe Leu Phe
225 230 235 240

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

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

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
275 280 285

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

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

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

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

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

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
370 375 380

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

Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu
405 410 415

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
420 425 430

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly
435 440

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

<220>
<223> synthetic construct

<400> 4

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 Ile Ser Asn Tyr
20 25 30

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

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly

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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 Gln Gln Phe His Thr Leu Arg Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

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

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

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

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

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

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

Asn Arg Gly Glu Cys
210

<210> 5

<211> 1329

<212> DNA

<213> Artificial Sequence

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<220>

<223> synthetic construct

<400> 5

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cctggacaag	ggcttgagt	gatgggactg	attgatactt	ctgatgttta	tactatctac	180
aatcaaaaagt	tcaagggcag	agtcaccatg	accagggaca	cgtccacgag	cacagtctac	240
atggagctga	gcagcctgag	atctgaggac	acggccgtgt	attactgtgc	aagatatggg	300
cccctggcta	tggactactg	gggccagggc	accctgggtca	ccgtctcctc	agcctccacc	360
aagggcccat	cggctctccc	gctagcgccc	tgctccagga	gcacctccga	gagcacagcc	420
gccctgggct	gcctgggtcaa	ggactacttc	cccgaaccgg	tgacgggtgtc	gtggaactca	480
ggcgccctga	ccagcggcgt	gcacaccttc	ccggctgtcc	tacagtcctc	aggactctac	540
tccctcagca	gcgtgggtgac	cgtgccctcc	agcagcttgg	gcacgaagac	ctacacctgc	600
aacgtagatc	acaagcccag	caacaccaag	gtggacaaga	gagttgagtc	caaatatggt	660
cccccatgcc	caccctgccc	agcacctgag	gccgccgggg	gaccatcagt	cttcctgttc	720
cccccaaac	ccaaggacac	tctcatgac	tcccggaccc	ctgagggtcac	gtgcgtgggtg	780
gtggacgtga	gccaggaaga	ccccgaggtc	cagttcaact	ggtagctgga	tggcgtggag	840
gtgcataatg	ccaagacaaa	gccgcgggag	gagcagttca	acagcacgta	ccgtgtggtc	900
agcgtcctca	ccgtcctgca	ccaggactgg	ctgaacggca	aggagtacaa	gtgcaaggtc	960
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cgagagccac	aggtgtacac	cctgccccca	tcccaggagg	agatgaccaa	gaaccaggtc	1080
agcctgacct	gcctgggtcaa	aggcttctac	cccagcgaca	tcgccgtgga	gtgggaaagc	1140
aatgggcagc	cggagaacaa	ctacaagacc	acgcctcccg	tgctggactc	cgacggctcc	1200
ttcttcctct	acagcaggct	aaccgtggac	aagagcaggt	ggcaggaggg	gaatgtcttc	1260
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tctctgggt

1329

<210> 6

<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 6

gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60

atcacttgca gggcaagtca ggacattagc aattatttaa actggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctattac acatcaagat tacactcagg ggtcccatca 180

aggttcagtg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcaacct 240

gaagattttg caacttacta ctgtcaacag tttcacacgc ttcggacgtt cggcggaggg 300

accaaggtgg agatcaaaag aactgtggcg gcgccatctg tcttcatctt cccgccatct 360

gatgagcagt tgaaatccgg aactgcctct gttgtgtgcc tgctgaataa cttctatccc 420

agagaggcca aagtacagtg gaaggtggat aacgccctcc aatcgggtaa ctcccaggag 480

agtgtcacag agcaggacag caaggacagc acctacagcc tcagcagcac cctgacgctg 540

agcaaagcag actacgagaa acacaaagtc tacgcctgcg aagtcaccca tcagggcctg 600

agctcgcccc tcacaaagag cttcaacagg ggagagtgc 639

<210> 7

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 7

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn

1

5

10

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

<220>
 <223> synthetic construct

<400> 8

Tyr Tyr Thr Ser Arg Leu His Ser
 1 5

<210> 9
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

<400> 9

Gln Gln Phe His Thr Leu Arg Thr
 1 5

<210> 10
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

<400> 10

Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Trp Met His
 1 5 10

<210> 11
 <211> 17
 <212> PRT
 <213> Artificial Sequence

X20141sequencelistingST25

<220>

<223> synthetic construct

<400> 11

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

Gly

<210> 12

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 12

Ala	Arg	Tyr	Gly	Pro	Leu	Ala	Met	Asp	Tyr
1				5					10

<210> 13

<211> 131

<212> PRT

<213> Artificial Sequence

<220>

<223> This protein was recombinantly produced and is identical to the homo sapien sequence.

<400> 13

Gln	Asp	Arg	His	Met	Ile	Arg	Met	Arg	Gln	Leu	Ile	Asp	Ile	Val	Asp
1				5					10					15	

Gln	Leu	Lys	Asn	Tyr	Val	Asn	Asp	Leu	Val	Pro	Glu	Phe	Leu	Pro	Ala
			20					25					30		

Pro	Glu	Asp	Val	Glu	Thr	Asn	Cys	Glu	Trp	Ser	Ala	Phe	Ser	Cys	Phe
			35				40					45			

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Gln Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile
50 55 60

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

Ala Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser
85 90 95

Tyr Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu
100 105 110

Leu Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser
115 120 125

Glu Asp Ser
130

<210> 14

<211> 131

<212> PRT

<213> Artificial Sequence

<220>

<223> This protein was recombinantly produced and is identical to the
Cynomolgus monkey sequence.

<400> 14

Gln Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp
1 5 10 15

Gln Leu Lys Asn Tyr Val Asn Asp Leu Asp Pro Glu Phe Leu Pro Ala
20 25 30

Pro Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Ile Ser Cys Phe
35 40 45

X20141sequencelistingST25

Gln Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile
50 55 60

Ile Asn Leu Ser Ile Lys Lys Leu Lys Arg Lys Ser Pro Ser Thr Gly
65 70 75 80

Ala Glu Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser
85 90 95

Tyr Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu
100 105 110

Leu Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser
115 120 125

Glu Asp Ser
130

<210> 15

<211> 129

<212> PRT

<213> Artificial Sequence

<220>

<223> This protein was recombinantly produced and is identical to the
mus musculus sequence.

<400> 15

His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu Arg
1 5 10 15

His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp Leu
20 25 30

Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys Glu
35 40 45

X20141sequencelistingST25

His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser Asn
50 55 60

Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu Arg
65 70 75 80

Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile Ala
85 90 95

Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu Phe
100 105 110

Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His Leu
115 120 125

Ser

<210> 16

<211> 129

<212> PRT

<213> Artificial Sequence

<220>

<223> This protein was recombinantly produced and is identical to the
rattus norvegicus sequence.

<400> 16

His Lys Ser Ser Pro Gln Arg Pro Asp His Leu Leu Ile Arg Leu Arg
1 5 10 15

His Leu Met Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp Leu
20 25 30

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

His Glu Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser Asn

X20141sequencelistingST25

50

55

60

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

Arg Arg Leu Pro Ala Lys Arg Thr Gly Asn Lys Gln Arg His Met Ala
85 90 95

Lys Cys Pro Ser Cys Asp Leu Tyr Glu Lys Lys Thr Pro Lys Glu Phe
100 105 110

Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His Leu
115 120 125

Ser

<210> 17

<211> 133

<212> PRT

<213> Artificial Sequence

<220>

<223> This protein was recombinantly produced and is identical to the
oryctolagus cuniculus sequence.

<400> 17

His Lys Ser Ser Ser Lys Gly Gln Asp Arg Tyr Met Ile Arg Met His
1 5 10 15

Gln Leu Leu Asp Ile Val Asp Gln Leu Gln Ser Asp Val Asn Asp Leu
20 25 30

Asp Pro Asp Phe Leu Pro Ala Pro Gln Asp Val Gln Lys Gly Cys Glu
35 40 45

Gln Ser Ala Phe Ser Cys Phe Gln Lys Ala Gln Leu Lys Pro Ala Asn
50 55 60

X20141sequencelistingST25

Ala Gly Asp Asn Gly Lys Arg Ile Ser Ser Leu Ile Lys Gln Leu Lys
65 70 75 80

Arg Lys Leu Pro Ser Thr Lys Ser Lys Lys Thr Gln Lys His Arg Pro
85 90 95

Thr Cys Pro Ser Cys Tyr Ser Tyr Glu Lys Lys Asn Leu Lys Glu Phe
100 105 110

Leu Glu Arg Leu Lys Ser Leu Ile Gln Lys Met Ile His Gln His Leu
115 120 125

Leu Glu His Leu Arg
130