

X20141sequencelistingST25.txt
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

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
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```

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

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<210> 3
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<220>
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<400> 3

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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

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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
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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
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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
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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
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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
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Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Gln
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Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro
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Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser
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Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu
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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
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<210> 4
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<223> synthetic construct

<400> 4

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
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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 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
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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
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 cctggacaag ggcttgagtg gatgggactg attgatactt ctgatgttta tactatctac 180
 aatcaaaagt tcaagggcag agtcaccatg accagggaca cgtccacgag cacagtctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc aagatatggg 300
 cccctggcta tggactactg gggccagggc accctgggtca cgtctcctc agcctccacc 360
 aagggcccat cgggtcttccc gctagcgccc tgctccagga gcacctccga gagcacagcc 420
 gccctgggct gcctgggtcaa ggactacttc cccgaaccgg tgacgggtgc gtggaactca 480
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<211> 639
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<213> Artificial Sequence

<220>
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gggaaagccc ctaagctcct gatctattac acatcaagat tacactcagg ggtcccatca 180
aggttcagtg gcagtggatc tgggacagat ttcactctca 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 gaagggtgat aacgccctcc aatcgggtaa ctcccaggag 480
agtgtcacag agcaggacag caaggacagc acctacagcc tcagcagcac cctgacgctg 540
agcaaagcag actacgagaa acacaaagtc tacgcctgcg aagtcacca tcagggcctg 600
agctcgcccc tcacaaagag cttcaacagg ggagagtgc 639

<210> 7
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

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

<220>
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<400> 8

Tyr Tyr Thr Ser Arg Leu His Ser
1 5

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

<220>
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<400> 9

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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

<220>
<223> synthetic construct

<400> 11

Leu Ile Asp Thr Ser Asp Val Tyr Thr Ile Tyr Asn Gln Lys Phe Lys
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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
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<210> 13
<211> 131
<212> PRT
<213> Artificial Sequence

<220>
<223> This protein was recombinantly produced and is identical to the
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<400> 13

Gln Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp
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Gln Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala
20 25 30

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

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

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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

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

X20141sequencelistingST25.txt

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

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 <223> This protein was recombinantly produced and is identical to the
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<400> 15

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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

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

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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
      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

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Ser

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<210> 17
<211> 133
<212> PRT
<213> Artificial Sequence

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<220>
<223> This protein was recombinantly produced and is identical to the
      oryctolagus cuniculus sequence.

```

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<400> 17

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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
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

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X20141sequencelistingST25.txt

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