pctib2010052711-eolf-seql
SEQUENCE LISTING

<110> Pfizer Inc.

<120> ANTI NOTCH-1 ANTIBODIES

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<150> 61/218,193
<151> 2009-06-18

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

Asn Gly Gly Lys Cys Glu Ala Ala Asn Gly Thr Cys Leu Cys Leu Gly
35 40 45

Pro Phe Thr Gly Pro Glu Cys Gln Phe Pro Ala Ser Ser Pro Cys Leu
50 55 60

Gly Gly Asn Pro Cys Tyr Asn Gln Gly Thr Cys Glu Pro Thr Ser Glu
65 70 75 80

Ser Pro Phe Tyr Arg Cys Leu Cys Pro Ala Lys Phe Asn Gly Leu Leu
85 90 95

Cys His Ile Leu Asp Tyr Ser Phe Gly Gly Gly Ala Gly Arg Asp Ile
100 105 110

Pro Pro Pro Leu Ile Glu Glu Ala Cys Glu Leu Pro Glu Cys Gln Glu
115 120 125

Asp Ala Gly Asn Lys Val Cys Ser Leu Gln Cys Asn Asn His Ala Cys
130 135 140

Gly Trp Asp Gly Gly Asp Cys Ser Leu Asn Phe Asn Asp Pro Trp Lys
145 150 155 160

Asn Cys Thr Gln Ser Leu Gln Cys Trp Lys Tyr Phe Ser Asp Gly His
165 170 175

Cys Asp Ser Gln Cys Asn Ser Ala Gly Cys Leu Phe Asp Gly Phe Asp
180 185 190

Cys Gln Arg Ala Glu Gly Gln Cys Asn Pro Leu Tyr Asp Gln Tyr Cys
195 200 205

Lys Asp His Phe Ser Asp Gly His Cys Asp Gln Gly Cys Asn Ser Ala
210 215 220

Glu Cys Glu Trp Asp Gly Leu Asp Cys Ala Glu His Val Pro Glu Arg
225 230 235 240

Leu Ala Ala Gly Thr Leu Val Val Val Val Leu Met Pro Pro Glu Gln
245 250 255

Leu Arg Asn Ser Ser Phe His Phe Leu Arg Glu Leu Ser Arg Val Leu
260 265 270

His Thr Asn Val Val Phe Lys Arg Asp Ala His Gly Gln Gln Met Ile
275 280 285

Phe Pro Tyr Tyr Gly Arg Glu Glu Glu Leu Arg Lys His Pro Ile Lys
290 295 300

Arg Ala Ala Glu Gly Trp Ala Ala Pro Asp Ala Leu Leu Gly Gln Val
305 310 315 320

Lys Ala Ser Leu Leu Pro Gly Gly Ser Glu Gly Gly Arg Arg Arg Arg
325 330 335

Glu Leu Asp Pro Met Asp Val Arg Gly Ser Ile Val Tyr Leu Glu Ile
340 345 350

Asp Asn Arg Gln Cys Val Gln Ala Ser Ser Gln Cys Phe Gln Ser Ala
355 360 365

Thr Asp Val Ala Ala Phe Leu Gly Ala Leu Ala Ser Leu Gly Ser Leu
370 375 380

Asn Ile Pro Tyr Lys Ile Glu Ala Val Gln Ser Glu Thr Val Glu Pro
385 390 395 400

Pro Pro Pro Ala Gln Lys Arg Arg Arg Gln His Gly Gln Leu Trp Phe
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Pro Glu Gly Phe Lys Val Ser Glu Ala Ser Lys Lys Lys Arg Arg Glu
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Pro Leu Gly Glu Asp Ser Val Gly Leu Lys Pro Leu Lys Asn Ala Ser
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aatggcacgt gcctgtgcct gggccccttc acgggccccg aatgccagtt cccggccagc 180

agcccctgcc tgggcggcaa cccctgctac aaccagggga cctgtgagcc cacatccgag 240

agccccttct accgttgcct gtgccccgcc aaattcaacg ggctcttgtg ccacatcctg 300

gactacagct tcgggggtgg ggccgggcgc gacatccccc cgccgctgat cgaggaggcg 360

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tgcaacagcg cggagtgcga gtgggacggg ctggactgtg cggagcatgt acccgagagg 720

ctggcggccg gcacgctggt ggtggtggtg ctgatgccgc cggagcagct gcgcaacagc 780

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Pro Phe Thr Gly Pro Glu Cys Gln Phe Pro Ala Ser Ser Pro Cys Leu
    50                  55                  60

Gly Gly Asn Pro Cys Tyr Asn Gln Gly Thr Cys Glu Pro Thr Ser Glu
65                  70                  75                  80

Ser Pro Phe Tyr Arg Cys Leu Cys Pro Ala Lys Phe Asn Gly Leu Leu
                85                  90                  95

Cys His Ile Leu Asp Tyr Ser Phe Gly Gly Gly Ala Gly Arg Asp Ile
            100                 105                 110

Pro Pro Pro Leu Ile Glu Glu Ala Cys Glu Leu Pro Glu Cys Gln Glu
        115                 120                 125

Asp Ala Gly Asn Lys Val Cys Ser Leu Gln Cys Asn Asn His Ala Cys
    130                 135                 140

Gly Trp Asp Gly Gly Asp Cys Ser Leu Asn Phe Asn Asp Pro Trp Lys
145                 150                 155                 160

Asn Cys Thr Gln Ser Leu Gln Cys Trp Lys Tyr Phe Ser Asp Gly His
                165                 170                 175

Cys Asp Ser Gln Cys Asn Ser Ala Gly Cys Leu Phe Asp Gly Phe Asp
            180                 185                 190

Cys Gln Arg Ala Glu Gly Gln Cys Asn Pro Leu Tyr Asp Gln Tyr Cys
        195                 200                 205

Lys Asp His Phe Ser Asp Gly His Cys Asp Gln Gly Cys Asn Ser Ala
    210                 215                 220

Glu Cys Glu Trp Asp Gly Leu Asp Cys Ala Glu His Val Pro Glu Arg
225                 230                 235                 240

Leu Ala Ala Gly Thr Leu Val Val Val Val Leu Met Pro Pro Glu Gln
                245                 250                 255

Leu Arg Asn Ser Ser Phe His Phe Leu Arg Glu Leu Ser Arg Val Leu
            260                 265                 270

His Thr Asn Val Val Phe Lys Arg Asp Ala His Gly Gln Gln Met Ile
        275                 280                 285

Phe Pro Tyr Tyr Gly Arg Glu Glu Glu Leu Arg Lys His Pro Ile Lys
    290                 295                 300

Arg Ala Ala Glu Gly Trp Ala Ala Pro Asp Ala Leu Leu Gly Gln Val
305                 310                 315                 320
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Lys Ala Ser Leu Leu Pro Gly Gly Ser Glu Gly Gly Arg Arg Arg Arg
325 330 335

Glu Leu Asp Pro Met Asp Val Arg Gly Ser Ile Val Tyr Leu Glu Ile
340 345 350

Asp Asn Arg Gln Cys Val Gln Ala Ser Ser Gln Cys Phe Gln Ser Ala
355 360 365

Thr Asp Val Ala Ala Phe Leu Gly Ala Leu Ala Ser Leu Gly Ser Leu
370 375 380

Asn Ile Pro Tyr Lys Ile Glu Ala Val Gln Ser Glu Thr Val Glu Pro
385 390 395 400

Pro Pro Pro Ala Gln Leu His Phe Met Tyr Val Ala Ala Ala Ala Phe
405 410 415

Val Leu Leu Phe Phe Val Gly Cys Gly Val Leu Leu Ser
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<211> 363
<212> DNA
<213> Mus musculus

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tcctgcaagg ctactggcta cacattcagt aactactgga tggagtgggt aaagcagagg 120

cctggacatg gccttgagtg gattggagag attttacctg gaaggggtag aactaactac 180

aatgagaact tcaagggcaa ggccacattc actgcagata catcctccaa cacagtctac 240

atgcaactca acagcctgac atctgaggac tctgccgtct attactgtgc aagattccac 300

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tca 363

<210> 6
<211> 121
<212> PRT
<213> Mus musculus

<400> 6

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Met Lys Pro Gly Ala
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Ser Val Lys Ile Ser Cys Lys Ala Thr Gly Tyr Thr Phe Ser Asn Tyr
20 25 30

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

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Gly Glu Ile Leu Pro Gly Arg Gly Arg Thr Asn Tyr Asn Glu Asn Phe
    50                  55                  60

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

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

Ala Arg Phe His Ser Ser Ala Tyr Tyr Tyr Thr Met Asp Tyr Trp Gly
            100                 105                 110

Gln Arg Thr Ser Val Thr Val Ser Ser
        115                 120
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<210> 7
<211> 327
<212> DNA
<213> Mus musculus

<400> 7

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cctgccagat tctcaggctc cctgattgga gacaaggctg ccctcaccat cacaggggca      240

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<210> 8
<211> 109
<212> PRT
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Thr Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Ala Val Thr Thr Ser
            20                  25                  30

Asn Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Thr Gly
        35                  40                  45

Leu Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Ile Pro Ala Arg Phe
    50                  55                  60

Ser Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Ile Thr Gly Ala
65                  70                  75                  80

Gln Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn
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85 90 95

His Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 9
<211> 42
<212> DNA
<213> Mus musculus

<400> 9
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<210> 10
<211> 21
<212> DNA
<213> Mus musculus

<400> 10
ggtaccaaca accgagctcc a 21

<210> 11
<211> 27
<212> DNA
<213> Mus musculus

<400> 11
gctctatggt acagcaacca ctgggtg 27

<210> 12
<211> 14
<212> PRT
<213> Mus musculus

<400> 12

Arg Ser Ser Thr Gly Ala Val Thr Thr Ser Asn Tyr Ala Asn
1 5 10

<210> 13
<211> 7
<212> PRT
<213> Mus musculus

<400> 13

Gly Thr Asn Asn Arg Ala Pro
1 5

<210> 14
<211> 9
<212> PRT
<213> Mus musculus

<400> 14

Ala Leu Trp Tyr Ser Asn His Trp Val
1 5

<210> 15

<211> 15
<212> DNA
<213> Mus musculus

<400> 15
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<211> 51
<212> DNA
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<400> 16
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<210> 17
<211> 36
<212> DNA
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<210> 18
<211> 5
<212> PRT
<213> Mus musculus

<400> 18

Asn Tyr Trp Met Glu
1 5

<210> 19
<211> 17
<212> PRT
<213> Mus musculus

<400> 19

Glu Ile Leu Pro Gly Arg Gly Arg Thr Asn Tyr Asn Glu Asn Phe Lys
1 5 10 15

Gly

<210> 20
<211> 12
<212> PRT
<213> Mus musculus

<400> 20

Phe His Ser Ser Ala Tyr Tyr Tyr Thr Met Asp Tyr
1 5 10

<210> 21
<211> 864
<212> DNA
<213> Homo sapiens

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ccctggaaga actgcacgca gtctctgcag tgctggaagt acttcagtga cggccactgt 180

gacagccagt gcaactcagc cggctgcctc ttcgacggct ttgactgcca gcgtgcggaa 240

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gaccagggct gcaacagcgc ggagtgcgag tgggacgggc tggactgtgc ggagcatgta 360

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cgcaacagct ccttccactt cctgcgggag ctcagccgcg tgctgcacac caacgtggtc 480

ttcaagcgtg acgcacacgg ccagcagatg atcttccccct actacggccg cgaggaggag 540

ctgcgcaagc accccatcaa gcgtgccgcc gagggctggg ccgcacctga cgccctgctg 600

ggccaggtga aggcctcgct gctccctggt ggcagcgagg gtgggcggcg gcggagggag 660

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gtgcaggcct cctcgcagtg cttccagagt gccaccgacg tggccgcatt cctgggagcg 780

ctcgcctcgc tgggcagcct caacatcccc tacaagatcg aggccgtgca gagtgagacc 840

gtggagccgc ccccgccggc gcag 864

<210> 22
<211> 288
<212> PRT
<213> Homo sapiens

<400> 22

Glu Glu Ala Cys Glu Leu Pro Glu Cys Gln Glu Asp Ala Gly Asn Lys
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Val Cys Ser Leu Gln Cys Asn Asn His Ala Cys Gly Trp Asp Gly Gly
20 25 30

Asp Cys Ser Leu Asn Phe Asn Asp Pro Trp Lys Asn Cys Thr Gln Ser
35 40 45

Leu Gln Cys Trp Lys Tyr Phe Ser Asp Gly His Cys Asp Ser Gln Cys
50 55 60

Asn Ser Ala Gly Cys Leu Phe Asp Gly Phe Asp Cys Gln Arg Ala Glu
65 70 75 80

Gly Gln Cys Asn Pro Leu Tyr Asp Gln Tyr Cys Lys Asp His Phe Ser
85 90 95

Asp Gly His Cys Asp Gln Gly Cys Asn Ser Ala Glu Cys Glu Trp Asp
100 105 110

Gly Leu Asp Cys Ala Glu His Val Pro Glu Arg Leu Ala Ala Gly Thr

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        115                 120                 125

Leu Val Val Val Val Leu Met Pro Pro Glu Gln Leu Arg Asn Ser Ser
    130                 135                 140

Phe His Phe Leu Arg Glu Leu Ser Arg Val Leu His Thr Asn Val Val
145                 150                 155                 160

Phe Lys Arg Asp Ala His Gly Gln Gln Met Ile Phe Pro Tyr Tyr Gly
                165                 170                 175

Arg Glu Glu Glu Leu Arg Lys His Pro Ile Lys Arg Ala Ala Glu Gly
            180                 185                 190

Trp Ala Ala Pro Asp Ala Leu Leu Gly Gln Val Lys Ala Ser Leu Leu
        195                 200                 205

Pro Gly Gly Ser Glu Gly Gly Arg Arg Arg Arg Glu Leu Asp Pro Met
    210                 215                 220

Asp Val Arg Gly Ser Ile Val Tyr Leu Glu Ile Asp Asn Arg Gln Cys
225                 230                 235                 240

Val Gln Ala Ser Ser Gln Cys Phe Gln Ser Ala Thr Asp Val Ala Ala
                245                 250                 255

Phe Leu Gly Ala Leu Ala Ser Leu Gly Ser Leu Asn Ile Pro Tyr Lys
            260                 265                 270

Ile Glu Ala Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln
        275                 280                 285
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