<110> GENENTECH, INC., et al.

<120> ANTI-NEUROPILIN ANTIBODIES AND METHODS OF USE

<130> P4462R1-WO

<150> US 61/363,121
<151> 2010-07-09

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<211> 441
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 Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Thr Pro Gly Gly
   1               5                  10                  15

 Thr Leu Thr Leu Thr Cys Thr Ala Ser Gly Phe Thr Ile Ser Asn
              20                  25                  30

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

 Trp Ile Gly Ile Ile Tyr Ala Val Ser Ala Ala Thr Trp Ser Ala
              50                  55                  60

 Thr Trp Val Lys Gly Arg Phe Thr Ile Ser Lys Thr Leu Thr Thr
              65                  70                  75

 Val Asp Leu Lys Met Thr Ser Leu Thr Ala Ala Asp Thr Ala Thr
              80                  85                  90

 Tyr Phe Cys Ala Arg Val Arg Ala Pro Gly Asp Ser Thr Tyr Tyr
              95                 100                 105

 Asp Leu Trp Gly Pro Gly Thr Leu Val Thr Val Ser Ser Gly Gln
             110                 115                 120

 Pro Lys Ala Pro Ser Val Phe Pro Leu Ala Pro Cys Cys Gly Asp
             125                 130                 135

 Thr Pro Ser Ser Thr Val Thr Leu Gly Cys Leu Val Lys Gly Tyr
             140                 145                 150

 Leu Pro Glu Pro Val Thr Val Thr Trp Asn Ser Gly Thr Leu Thr
             155                 160                 165

 Asn Gly Val Arg Thr Phe Pro Ser Val Arg Gln Ser Ser Gly Leu
             170                 175                 180

 Tyr Ser Leu Ser Ser Val Val Ser Val Thr Ser Ser Ser Gln Pro
             185                 190                 195

 Val Thr Cys Asn Val Ala His Pro Ala Thr Asn Thr Lys Val Asp
             200                 205                 210

 Lys Thr Val Ala Pro Ser Thr Cys Ser Lys Pro Thr Cys Pro Pro
             215                 220                 225

 Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys
             230                 235                 240
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Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
245                 250                 255

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

Trp Tyr Ile Asn Asn Glu Gln Val Arg Thr Ala Arg Pro Pro Leu
275                 280                 285

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

Pro Ile Ala His Gln Asp Trp Leu Arg Gly Lys Glu Phe Lys Cys
305                 310                 315

Lys Val His Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
320                 325                 330

Ser Lys Ala Arg Gly Gln Pro Leu Glu Pro Lys Val Tyr Thr Met
335                 340                 345

Gly Pro Pro Arg Glu Glu Leu Ser Ser Arg Ser Val Ser Leu Thr
350                 355                 360

Cys Met Ile Asn Gly Phe Tyr Pro Ser Asp Ile Ser Val Glu Trp
365                 370                 375

Glu Lys Asn Gly Lys Ala Glu Asp Asn Tyr Lys Thr Thr Pro Ala
380                 385                 390

Val Leu Asp Ser Asp Gly Ser Tyr Phe Leu Tyr Ser Lys Leu Ser
395                 400                 405

Val Pro Thr Ser Glu Trp Gln Arg Gly Asp Val Phe Thr Cys Ser
410                 415                 420

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Ile
425                 430                 435

Ser Arg Ser Pro Gly Lys
440
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<213> Oryctolagus cuniculus

<400> 2

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  1               5                  10                  15

Thr Leu Thr Leu Thr Cys Thr Ala Ser Gly Phe Thr Ile Ser Asn
                20                  25                  30

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

Trp Ile Gly Ile Ile Tyr Ala Val Ser Ala Ala Thr Trp Ser Ala
                50                  55                  60

Thr Trp Val Lys Gly Arg Phe Thr Ile Ser Lys Thr Leu Thr Thr
                65                  70                  75

Val Asp Leu Lys Met Thr Ser Leu Thr Ala Ala Asp Thr Ala Thr
                80                  85                  90

Tyr Phe Cys Ala Arg Val Arg Ala Pro Gly Asp Ser Thr Tyr Tyr
                95                  100                 105
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Asp Leu Trp Gly Pro Gly Thr Leu Val Thr Val Ser Ser
110 115

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Asn Tyr His Met Ser
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Ile Ile Tyr Ala Val Ser Ala Ala Thr Trp Ser Thr Trp Val Lys
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Gly

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<213> Oryctolagus cuniculus

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Val Arg Ala Pro Gly Asp Ser Thr Tyr Tyr Asp Leu
1 5 10

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1 5 10 15

Gly Gly Thr Val Thr Ile Asn Cys Gln Ala Ser Gln Thr Ile Ser
20 25 30

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

Lys Leu Leu Ile Tyr Lys Ala Ser Ile Leu Ala Ser Gly Val Pro
50 55 60

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
65 70 75

Ile Ser Gly Val Gln Cys Asp Asp Ala Ala Thr Tyr Tyr Cys Leu
80 85 90

Tyr Gly His Tyr Ile Thr Thr Ser Ala His Asn Ala Phe Gly Gly
95 100 105

Gly Thr Glu Val Val Val Lys Gly Asp Pro Val Ala Pro Thr Val
110 115 120

Leu Ile Phe Pro Pro Ala Ala Asp Gln Val Ala Thr Gly Thr Val
125 130 135

Thr Ile Val Cys Val Ala Asn Lys Tyr Phe Pro Asp Val Thr Val

```
                140                 145                 150

 Thr Trp Glu Val Asp Gly Thr Thr Gln Thr Thr Gly Ile Glu Asn
                155                 160                 165

 Ser Lys Thr Pro Gln Asn Ser Ala Asp Cys Thr Tyr Asn Leu Ser
                170                 175                 180

 Ser Thr Leu Thr Leu Thr Ser Thr Gln Tyr Asn Ser His Lys Glu
                185                 190                 195

 Tyr Thr Cys Lys Val Thr Gln Gly Thr Thr Ser Val Val Gln Ser
                200                 205                 210

 Phe Asn Arg Gly Asp Cys
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<211> 114
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<213> Oryctolagus cuniculus

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 Ala Val Val Met Thr Gln Thr Ala Ser Pro Val Ser Ala Val Val
   1               5                  10                  15

 Gly Gly Thr Val Thr Ile Asn Cys Gln Ala Ser Gln Thr Ile Ser
                20                  25                  30

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

 Lys Leu Leu Ile Tyr Lys Ala Ser Ile Leu Ala Ser Gly Val Pro
                50                  55                  60

 Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
                65                  70                  75

 Ile Ser Gly Val Gln Cys Asp Asp Ala Ala Thr Tyr Tyr Cys Leu
                80                  85                  90

 Tyr Gly His Tyr Ile Thr Thr Ser Ala His Asn Ala Phe Gly Gly
                95                 100                 105

 Gly Thr Glu Val Val Val Lys Gly Asp
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<211> 12
<212> PRT
<213> Oryctolagus cuniculus

<400> 8
 Gln Ala Ser Gln Thr Ile Ser Asn Asn Trp Leu Ser
   1               5                  10

<210> 9
<211> 7
<212> PRT
<213> Oryctolagus cuniculus

<400> 9
 Lys Ala Ser Ile Leu Ala Ser
   1               5

<210> 10
<211> 13
<212> PRT
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<213> Oryctolagus cuniculus

<400> 10
Leu Tyr Gly His Tyr Ile Thr Thr Ser Ala His Asn Ala
1 5 10