ANTIBODIES TO OPGL SEQ LISTING.txt
SEQUENCE LISTING

<110> Boyle, William J

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Corvalan, Jose R

Davis, C. Geoffrey

<120> Antibodies to OPGL

<130> 06843.0049-00000

<150> 60/301,172

<151> 2001-06-26

<160> 20

<170> PatentIn version 3.1

<210> 1

<211> 1426

<212> DNA

<213> Mus musculus

<400> 1
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cctgagactc tcctgtgcag cctctggatt cacctttagc agctatgcca tgagctgggt 180

ccgccaggct ccagggaagg ggctggagtg ggtctcaggt attactggga gtggtggtag 240

tacatactac gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa 300

cacgctgtat ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc 360

gaaagatcca gggactacgg tgattatgag ttggttcgac ccctggggcc agggaaccct 420

ggtcaccgtc tcctcagcct ccaccaaggg cccatcggtc ttcccctgg cgccctgctc 480

caggagcacc tccgagagca cagcggccct gggctgcctg gtcaaggact acttccccga 540

accggtgacg gtgtcgtgga actcaggcgc tctgaccagc ggcgtgcaca ccttcccagc 600

tgtcctacag tcctcaggac tctactccct cagcagcgtg gtgaccgtgc cctccagcaa 660

cttcggcacc cagacctaca cctgcaacgt agatcacaag cccagcaaca ccaaggtgga 720

caagacagtt gagcgcaaat gttgtgtcga gtgcccaccg tgcccagcac cacctgtggc 780

aggaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga tctcccggac 840

ccctgaggtc acgtgcgtgg tggtggacgt gagccacgaa gaccccgagg tccagttcaa 900

ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccacggg aggagcagtt 960

caacagcacg ttccgtgtgg tcagcgtcct caccgttgtg caccaggact ggctgaacgg 1020

caaggagtac aagtgcaagg tctccaacaa aggcctccca gcccccatcg agaaaaccat 1080

ctccaaaacc aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga 1140

ggagatgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct accccagcga 1200

catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga ccacacctcc 1260

catgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg acaagagcag 1320

gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta 1380

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<210> 2

<211> 467

<212> PRT

<213> Mus musculus

<400> 2

Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
1 5 10 15

Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
20 25 30

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
35 40 45

Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Glu Trp Val Ser Gly Ile Thr Gly Ser Gly Gly Ser Thr Tyr Tyr Ala
65 70 75 80

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
85 90 95

Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Lys Asp Pro Gly Thr Thr Val Ile Met Ser Trp Phe
115 120 125

Asp Pro Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr
130 135 140

Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser
145 150 155 160

Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu
165 170 175

Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His
180 185 190

Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser
195 200 205

Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys
210 215 220

Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu
225 230 235 240

Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Val Ala
245 250 255

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
260 265 270

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His

275 280 285

Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val
290 295 300

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe
305 310 315 320

Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn Gly
325 330 335

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ala Pro Ile
340 345 350

Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val
355 360 365

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
370 375 380

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
385 390 395 400

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
405 410 415

Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
420 425 430

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
435 440 445

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
450 455 460

Pro Gly Lys
465

<210> 3

<211> 728

<212> DNA

<213> Mus musculus

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ataccaccgg agaaattgtg ttgacgcagt ctccaggcac cctgtctttg tctccagggg 120

aaagagccac cctctcctgt agggccagtc agagtgttcg cggcaggtac ttagcctggt 180

accagcagaa acctggccag gctcccaggc tcctcatcta tggtgcatcc agcagggcca 240

ctggcatccc agacaggttc agtggcagtg ggtctgggac agacttcact ctcaccatca 300

gcagactgga gcctgaagat tttgcagtgt tttactgtca gcagtatggt agttcacctc 360

ggacgttcgg ccaagggacc aaggtggaaa tcaaacgaac tgtggctgca ccatctgtct 420

tcatcttccc gccatctgat gagcagttga aatctggaac tgcctctgtt gtgtgcctgc 480

tgaataactt ctatcccaga gaggccaaag tacagtggaa ggtggataac gccctccaat 540

cgggtaactc ccaggagagt gtcacagagc aggacagcaa ggacagcacc tacagcctca 600

gcagcaccct gacgctgagc aaagcagact acgagaaaca caaagtctac gcctgcgaag 660

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<210> 4

<211> 235

<212> PRT

<213> Mus musculus

<400> 4

Met Glu Thr Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Arg Gly Arg Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala
50 55 60

Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro

65 70 75 80

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
85 90 95

Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Phe Tyr Cys Gln Gln Tyr
100 105 110

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

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
130 135 140

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
145 150 155 160

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
165 170 175

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
180 185 190

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
195 200 205

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
210 215 220

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230 235

<210> 5

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' kappa RACE primer

<400> 5
gatgacccag tctccagcca ccctg 25

<210> 6

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> 3' kappa RACE primer

<400> 6
aagggtcaga ggccaaagga tgg 23

<210> 7

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' anti-OPGL-1 kappa primer

<400> 7
caactctaga ccaccatgga aaccccagcg 30

<210> 8

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> 3' anti-OPGL-1 kappa primer

<400> 8
tttgacgtcg acttatcaac actctcccct gttgaag 37

<210> 9

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' IgG2 RACE primer

<400> 9
ggcacggtca ccacgctgct gag 23

<210> 10

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> 3' IgG2 RACE primer

<400> 10
cctccaccaa gggcccatcg gtct 24

<210> 11

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> 5' anti-OPGL-1 IgG2 Primer

<400> 11
cagaagcttg accaccatgg agtttgggct gagctggctt tttcttgtgg c 51

<210> 12

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> 3' anti-OPGL-1 IgG2 Primer

<400> 12
gcatgtcgac ttatcattta cccggagaca gggagag 37

<210> 13

<211> 122

<212> PRT

<213> Mus musculus

<400> 13

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

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

Ala Lys Asp Pro Gly Thr Thr Val Ile Met Ser Trp Phe Asp Pro Trp
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 14

<211> 108

<212> PRT

<213> Mus musculus

<400> 14

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

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

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
35 40 45

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

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
65 70 75 80

Pro Glu Asp Phe Ala Val Phe Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
85 90 95

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

<210> 15

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> random primer

<220>

<221> misc_feature

<222> (18)..(23)

<223> N is A, C, G, or T

<400> 15
ggccggatag gcctcacnnn nnnt 24

<210> 16

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> translation of portion of 5' anti-OPGL-1 kappa primer

<400> 16

Met Glu Thr Pro Ala
1 5

<210> 17

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> translation of portion of 3' anti-OPGL-1 kappa primer

<400> 17

Cys Glu Gly Arg Asn Phe
1 5

<210> 18

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> translation of portion of 5' anti-OPGL-1 IgG2 Primer

<400> 18

Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala
1 5 10

<210> 19

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> translation of portion of 3' anti-OPGL-1 IgG2 Primer

<400> 19

Lys Gly Pro Ser Leu Ser Leu
1 5

<210> 20

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> LHRH antagonist peptide

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<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is Ac-D-Nal, where Nal is 3-(2-napthyl)alaninyl

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa is (4'-chlorophenul)alaninyl

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa is D-Pal, where Pal is 3-(3'-pyridyl)alaninyl

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Xaa is N-methyl tyrosine

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa is D-asparagine

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> Xaa is N-epsilon-2-propyl-lysinyl

<220>

<221> MISC_FEATURE

<222> (10)..(10)

<223> Xaa is D-alanine-NH2

<400> 20

Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
1 5 10