

SEQLIST.TXT
SEQUENCE LISTING

<110> MorphoSys AG

<120> RADIOLABELLED ANTIBODY AND USES THEREOF

<130> 103374PC

<140> to be assigned

<141>

<150> 61/722,256

<151> 2012-11-05

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 10

<212> PRT

<213> Unknown

<220>

<223> HCDR1 region of antibody specific for CD38

<400> 1

Gly Phe Thr Phe Ser Ser Tyr Tyr Met Asn
1 5 10

<210> 2

<211> 17

<212> PRT

<213> Unknown

<220>

<223> HCDR2 region of antibody specific for CD38

<400> 2

Gly Ile Ser Gly Asp Pro Ser Asn Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15
Gly

<210> 3

<211> 11

<212> PRT

<213> Unknown

<220>

<223> HCDR3 region of antibody specific for CD38

<400> 3

Asp Leu Pro Leu Val Tyr Thr Gly Phe Ala Tyr
1 5 10

<210> 4

<211> 11

<212> PRT

<213> Unknown

<220>

<223> LCDR1 region of antibody specific for CD38

SEQLIST.TXT

<400> 4
 Ser Gly Asp Asn Leu Arg His Tyr Tyr Val Tyr
 1 5 10

<210> 5
 <211> 7
 <212> PRT
 <213> Unknown

<220>
 <223> LCDR2 region of antibody specific for CD38

<400> 5
 Gly Asp Ser Lys Arg Pro Ser
 1 5

<210> 6
 <211> 9
 <212> PRT
 <213> Unknown

<220>
 <223> LCDR3 region of antibody specific for CD38

<400> 6
 Gln Thr Tyr Thr Gly Gly Ala Ser Leu
 1 5

<210> 7
 <211> 300
 <212> PRT
 <213> Homo sapiens

<220>
 <223> Human CD38 sequence

<400> 7
 Met Ala Asn Cys Glu Phe Ser Pro Val Ser Gly Asp Lys Pro Cys Cys
 1 5 10 15
 Arg Leu Ser Arg Ala Gln Leu Cys Leu Gly Val Ser Ile Leu Val
 20 25 30
 Leu Ile Leu Val Val Val Leu Ala Val Val Val Pro Arg Trp Arg Gln
 35 40 45
 Gln Trp Ser Gly Pro Gly Thr Thr Lys Arg Phe Pro Glu Thr Val Leu
 50 55 60
 Ala Arg Cys Val Lys Tyr Thr Glu Ile His Pro Glu Met Arg His Val
 65 70 75 80
 Asp Cys Gln Ser Val Trp Asp Ala Phe Lys Gly Ala Phe Ile Ser Lys
 85 90 95
 His Pro Cys Asn Ile Thr Glu Glu Asp Tyr Gln Pro Leu Met Lys Leu
 100 105 110
 Gly Thr Gln Thr Val Pro Cys Asn Lys Ile Leu Leu Trp Ser Arg Ile
 115 120 125
 Lys Asp Leu Ala His Gln Phe Thr Gln Val Gln Arg Asp Met Phe Thr
 130 135 140
 Leu Glu Asp Thr Leu Leu Gly Tyr Leu Ala Asp Asp Leu Thr Trp Cys
 145 150 155 160
 Gly Glu Phe Asn Thr Ser Lys Ile Asn Tyr Gln Ser Cys Pro Asp Trp
 165 170 175
 Arg Lys Asp Cys Ser Asn Asn Pro Val Ser Val Phe Trp Lys Thr Val
 180 185 190
 Ser Arg Arg Phe Ala Glu Ala Ala Cys Asp Val Val His Val Met Leu
 195 200 205
 Asn Gly Ser Arg Ser Lys Ile Phe Asp Lys Asn Ser Thr Phe Gly Ser
 210 215 220

SEQLIST.TXT

Val Glu Val His Asn Leu Gln Pro Glu Lys Val Gln Thr Leu Glu Ala
 225 230 235 240
 Trp Val Ile His Gly Gly Arg Glu Asp Ser Arg Asp Leu Cys Gln Asp
 245 250 255
 Pro Thr Ile Lys Glu Leu Glu Ser Ile Ile Ser Lys Arg Asn Ile Gln
 260 265 270
 Phe Ser Cys Lys Asn Ile Tyr Arg Pro Asp Lys Phe Leu Gln Cys Val
 275 280 285
 Lys Asn Pro Glu Asp Ser Ser Cys Thr Ser Glu Ile
 290 295 300

<210> 8
 <400> 8
 000

<210> 9
 <400> 9
 000

<210> 10
 <211> 120
 <212> PRT
 <213> Unknown

<220>
 <223> variable heavy chain of antibody specific for CD38

<400> 10
 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Tyr Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Gly Ile Ser Gly Asp Pro Ser Asn 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 Arg Asp Leu Pro Leu Val Tyr Thr Gly Phe Ala Tyr Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 11
 <211> 109
 <212> PRT
 <213> Unknown

<220>
 <223> variable heavy chain of antibody specific for CD38

<400> 11
 Asp Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln
 1 5 10 15
 Thr Ala Arg Ile Ser Cys Ser Gly Asp Asn Leu Arg His Tyr Tyr Val
 20 25 30
 Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 35 40 45
 Gly Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
 50 55 60
 Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Glu
 65 70 75 80
 Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Tyr Thr Gly Gly Ala Ser Leu
 85 90 95

SEQLIST.TXT

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
 100 105

<210> 12
 <211> 360
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> DNA sequence encoding the MOR202 Variable Heavy Domain

<400> 12
 caggtgcaat tgggtgaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg 60
 agctgcgagg cctccgatt taccttttct tcttattata tgaattgggt gcgccaagcc 120
 cctgggaagg gtctcgagt ggtgagcggg atctctggtg atcctagcaa tacctattat 180
 gcggatagcg tgaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat 240
 ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcbc gcgtgatctt 300
 cctcttgttt atactggttt tgcttattgg ggccaaggca ccctggtgac ggtagactca 360

<210> 13
 <211> 327
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> DNA sequence encoding the MOR202 Variable Light Domain

<400> 13
 gatatcgaac tgaccagcc gccttcagtg agcgttgcac caggtcagac cgcgcgtatc 60
 tcgtgtagcg gcgataatct tcgtcattat tatgtttatt ggtaccagca gaaaccggg 120
 caggcgccag ttcttgtgat ttatggtgat tctaagcgtc cctcaggcat cccggaacgc 180
 tttagcggat ccaacagcgg caacaccgcg accctgacca ttagcggcac tcaggcggaa 240
 gacgaagcgg attattattg ccagacttat actggtggtg cttctcttgt gtttggcggc 300
 ggcacgaagt taaccgttct tggccag 327

<210> 14
 <211> 5
 <212> PRT
 <213> Unknown

<220>
 <223> HCDR1 region of antibody specific for CD38

<400> 14
 Ser Tyr Tyr Met Asn
 1 5