

9869SG4541-seq1-000001 (1)
SEQUENCE LISTING

<110> Agency for Science, Technology and Research

<120> ANTI-ANNEXIN A2 MONOCLONAL ANTIBODIES

<130> 9869SG4541

<160> 30

<170> PatentIn version 3.5

<210> 1

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 1

Val Gln Leu Gln Glu Ser Gly Pro Asp Leu Val Lys Pro Ser Arg Ser
1 5 10 15

Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Gly Tyr
20 25 30

Ser Trp His Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp Met
35 40 45

Gly Tyr Ile His Tyr Ser Gly Ser Thr Lys Tyr Asn Pro Ser Leu Lys
50 55 60

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

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

Arg Gly Ser Asn Tyr Gly Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu
100 105 110

Thr Val Ser Ser
115

<210> 2
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Isolated antibody

<400> 2

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

Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
20 25 30

Asn Asp Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

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

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Val Lys Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ile Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile
100 105 110

Lys Arg

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<210> 3
 <211> 348
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Isolated antibody

<400> 3
 gtacagctgc aggagtcagg acctgacctg gtgaaacctt ctcggtcact ttcactcacc 60
 tgcactgtca ctggctactc catcaccagt ggttatagct ggactggat ccggcagttt 120
 ccaggaaaca aactggaatg gatgggctac atacactaca gtggtagcac taagtacaac 180
 ccatctctca aaagtcgaat ctctatcact cgagacacat ccaagaacca gttcttcctg 240
 cagttgaatt ctgtgactac tgaggacgca gccacatatt actgtgcaag ggggagtaac 300
 tacggatttg actactgggg ccaaggcacc actctcacag tctcctca 348

<210> 4
 <211> 342
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Isolated antibody

<400> 4
 gacattgagc tcacccagtc tccatcctcc ctagctgtgt cagttggaga gaaggttact 60
 atgagctgca agtccagtca gagcctttta tatagtaacg atcaaaagaa ctacttggcc 120
 tggtagcaac agaaaccagg gcagtctcct aaactgctga tttactgggc atctattagg 180
 gaatctgggg tccctgatcg cttcacaggc agtggatctg ggacagattt cactctcacc 240
 atcagcagtg tgaaggctga agacctggca gtttattact gtcagcaata ttatatctat 300
 cctctcacgt tcggtgctgg gaccaagctg gaaataaaac gg 342

<210> 5
 <211> 117
 <212> PRT
 <213> Artificial Sequence

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<220>

<223> Isolated antibody

<400> 5

Gln Val Lys Leu Gln Glu Ser Gly Pro Asp Gln Val Lys Pro Ser Gln
1 5 10 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Val Tyr Ser Ile Thr Ser Gly
20 25 30

Tyr Ser Trp His Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
35 40 45

Met Gly Tyr Ile His Tyr Ser Gly Ser Thr Lys Tyr Asn Pro Ser Leu
50 55 60

Lys Ser Arg Phe Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

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

Ala Arg Gly Thr Asp Asn Ala Val Asp Tyr Trp Gly Gln Gly Thr Thr
100 105 110

Val Thr Val Ser Ser
115

<210> 6

<211> 114

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 6

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

Glu Lys Val Asn Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
20 25 30

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

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

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Val Lys Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ile Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
100 105 110

Lys Arg

<210> 7

<211> 351

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 7

caggtgaaac tgcaggagtc aggacctgac caggtgaaac cctctcagtc actttcactc 60

acctgcactg tcaactgtcta ctccatcacc agtggttata gctggcactg gatccggcag 120

tttccaggaa acaaactgga atggatgggc tacatacact acagtggtag tactaagtac 180

aacccatctc tcaaaagtcg attctctatc actcgagaca catccaagaa ccagttcttc 240

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ctgcagttga attctgtgac tactgaggac acagccacat attactgtgc aagagggacc 300
gacaatgctg tggactactg gggccaaggg accacgggtca ccgtctcctc a 351

<210> 8
<211> 342
<212> DNA
<213> Artificial Sequence

<220>
<223> Isolated antibody

<400> 8
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atgagctgca agtccagtca gagcctttta tatagtagca atcaaaagaa ctacttggcc 120
tggtaccagc agaaaccagg gcagtctcct aaattgctga tttactgggc atccagtagg 180
gaatctgggg tccctgatcg cttcacaggc agtggatctg ggacagattt cactctcacc 240
atcagcagtg tgaaggctga agacctggca gtttattact gtcagcaata ttatatctat 300
cctctcacgt tcggtgctgg gaccaagctg gagctgaaac gg 342

<210> 9
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Isolated antibody

<400> 9

Gly Tyr Ser Ile Thr Ser Gly Tyr Ser Trp His
1 5 10

<210> 10
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

9869SG4541-seq1-000001 (1)

<223> Isolated antibody

<400> 10

Tyr Ile His Tyr Ser Gly Ser Thr Lys Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 11

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 11

Gly Ser Asn Tyr Gly Phe Asp Tyr
1 5

<210> 12

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 12

Lys Ser Ser Gln Ser Leu Leu Tyr Ser Asn Asp Gln Lys Asn Tyr Leu
1 5 10 15

Ala

<210> 13

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 13

Trp Ala Ser Ile Arg Glu Ser
 1 5

<210> 14

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 14

Gln Gln Tyr Tyr Ile Tyr Pro Leu Thr
 1 5

<210> 15

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 15

gctactccat caccagtggg tatagctggc ac

32

<210> 16

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 16

acatacacta cagtggtagc actaagtaca acccatctct caaaagtc

48

<210> 17

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 17

ggagtaacta cggatttgac tact

24

<210> 18

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 18

agtccagtca gagcctttta tatagtaacg atcaaaagaa ctacttggcc t

51

<210> 19

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 19

gggcatctat tagggaatct g

21

<210> 20

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 20

agcaatatta tatctatcct ctcacgt

27

<210> 21

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 21

Val Tyr Ser Ile Thr Ser Gly Tyr Ser Trp His
1 5 10

<210> 22

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 22

Gly Thr Asp Asn Ala Val Asp Tyr
1 5

<210> 23

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 23

Lys Ser Ser Gln Ser Leu Leu Tyr Ser Ser Asn Gln Lys Asn Tyr Leu
1 5 10 15

Ala

<210> 24

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 24

Trp Ala Ser Ser Arg Glu Ser
1 5

<210> 25

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 25

tctactccat caccagtggg tatagctggc act

33

<210> 26

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 26

acatacacta cagtggtagt actaagtaca acccatctct caaaagtc

48

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 27

ggaccgacaa tgctgtggac tact

24

<210> 28

<211> 51

<212> DNA

<213> Artificial Sequence

9869SG4541-seq1-000001 (1)

<220>

<223> Isolated antibody

<400> 28

agtccagtca gagcctttta tatagtagca atcaaaagaa ctacttggcc t 51

<210> 29

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 29

gggcatccag tagggaatct g 21

<210> 30

<211> 339

<212> PRT

<213> Artificial Sequence

<220>

<223> Isolated antibody

<400> 30

Met	Ser	Thr	Val	His	Glu	Ile	Leu	Cys	Lys	Leu	Ser	Leu	Glu	Gly	Asp
1				5					10					15	

His	Ser	Thr	Pro	Pro	Ser	Ala	Tyr	Gly	Ser	Val	Lys	Ala	Tyr	Thr	Asn
			20					25					30		

Phe	Asp	Ala	Glu	Arg	Asp	Ala	Leu	Asn	Ile	Glu	Thr	Ala	Ile	Lys	Thr
		35					40					45			

Lys	Gly	Val	Asp	Glu	Val	Thr	Ile	Val	Asn	Ile	Leu	Thr	Asn	Arg	Ser
	50					55					60				

Asn	Ala	Gln	Arg	Gln	Asp	Ile	Ala	Phe	Ala	Tyr	Gln	Arg	Arg	Thr	Lys
65					70					75					80

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Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly His Leu Glu
85 90 95

Thr Val Ile Leu Gly Leu Leu Lys Thr Pro Ala Gln Tyr Asp Ala Ser
100 105 110

Glu Leu Lys Ala Ser Met Lys Gly Leu Gly Thr Asp Glu Asp Ser Leu
115 120 125

Ile Glu Ile Ile Cys Ser Arg Thr Asn Gln Glu Leu Gln Glu Ile Asn
130 135 140

Arg Val Tyr Lys Glu Met Tyr Lys Thr Asp Leu Glu Lys Asp Ile Ile
145 150 155 160

Ser Asp Thr Ser Gly Asp Phe Arg Lys Leu Met Val Ala Leu Ala Lys
165 170 175

Gly Arg Arg Ala Glu Asp Gly Ser Val Ile Asp Tyr Glu Leu Ile Asp
180 185 190

Gln Asp Ala Arg Asp Leu Tyr Asp Ala Gly Val Lys Arg Lys Gly Thr
195 200 205

Asp Val Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His
210 215 220

Leu Gln Lys Val Phe Asp Arg Tyr Lys Ser Tyr Ser Pro Tyr Asp Met
225 230 235 240

Leu Glu Ser Ile Arg Lys Glu Val Lys Gly Asp Leu Glu Asn Ala Phe
245 250 255

Leu Asn Leu Val Gln Cys Ile Gln Asn Lys Pro Leu Tyr Phe Ala Asp
260 265 270

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Arg Leu Tyr Asp Ser Met Lys Gly Lys Gly Thr Arg Asp Lys Val Leu
275 280 285

Ile Arg Ile Met Val Ser Arg Ser Glu Val Asp Met Leu Lys Ile Arg
290 295 300

Ser Glu Phe Lys Arg Lys Tyr Gly Lys Ser Leu Tyr Tyr Tyr Ile Gln
305 310 315 320

Gln Asp Thr Lys Gly Asp Tyr Gln Lys Ala Leu Leu Tyr Leu Cys Gly
325 330 335

Gly Asp Asp