

SEQUENCE LISTING

<110> Akeso Biopharma Inc.

<120> Anti-CD73 antibody and use thereof

<130> FP220316

<160> 22

<170> PatentIn version 3.5

<210> 1

<211> 363

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 1

gaggtgcagc tgcagcagtc cggaccagag ctggtgaagc ctggcgcctc catgcggatg	60
tcttgtaagg cctctggcta cagcttcacc ggctatacaa tgaactgggt gaagcagtct	120
cacggcaaga atctggagtg gatcggcctg atcaaccctt acaatgccgg caccagctat	180
aaccagaagt ttaagggcaa ggccaccctg acagtggaca agagctcctc taccgcctac	240
atggagctgc tgtccctgac atctgaggat agcgccgtgt actattgcgc ccggtccgag	300
tacagatatg gcggcgacta ctttgattat tggggccagg gcaccacact gacagtgagc	360
tcc	363

<210> 2

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 2

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

Ser Met Arg Met Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
20 25 30

Thr Met Asn Trp Val Lys Gln Ser His Gly Lys Asn Leu Glu Trp Ile
35 40 45

Gly Leu Ile Asn Pro Tyr Asn Ala Gly Thr Ser Tyr Asn Gln Lys Phe
50 55 60

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

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

Ala Arg Ser Glu Tyr Arg Tyr Gly Gly Asp Tyr Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Thr Leu Thr Val Ser Ser
115 120

<210> 3
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 3
gacatcgtga tgaccagtc tccaagctcc ctggcaatga gcgtgggaca gaaggtgaca 60
atgtcttgta agtctagcca gaggctgctg aactcctcta atcagaagaa ctacctggcc 120
tggtatcagc agaagccagg ccagtctccc aagctgctgg tgtactttgc cagcaccagg 180
gagtcgggag tgcctgacag attcatcggc tccggctctg gcacagactt caccctgaca 240
atcagctccg tgcaggcaga ggacctggca gattatttct gccagcagca ctacgacacc 300
ccttatacat ttggcggcgg caccaagctg gagatcaag 339

<210> 4
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 4

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

Gln Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn 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 Val Tyr Phe Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

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

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

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

Lys

<210> 5
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 5
caggtgcagc tgcagcagtc tggagcagag gtggtgaagc caggagcctc tatgaagatg 60
agctgtaagg ccagcggcta ctccttcacc ggctatacaa tgaactgggt gaagcaggcc 120
cacggccaga atctggagtg gatcggcctg atcaaccctt acaatgccgg cacctcttat 180
aaccagaagt ttcagggcaa ggccaccctg acagtggaca agtccacctc tacagcctac 240
atggagctga gctccctgcg gagcgaggat acagccgtgt actattgcgc ccggtccgag 300
tacagatatg gcggcgacta ctttgattat tggggccagg gcaccacact gaccgtgtct 360
agc 363

<210> 6
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 6

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

Ser Met Lys Met Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
20 25 30

Thr Met Asn Trp Val Lys Gln Ala His Gly Gln Asn Leu Glu Trp Ile
35 40 45

Gly Leu Ile Asn Pro Tyr Asn Ala Gly Thr Ser Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

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

Ala Arg Ser Glu Tyr Arg Tyr Gly Gly Asp Tyr Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Thr Leu Thr Val Ser Ser
115 120

<210> 7
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

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gacatcgtga tgaccagtc cccaagctcc ctggcaatgt ctgtgggaga gaggtgaca 60
atgtcctgta agtctagcca gtctctgctg aactcctcta atcagaagaa ctacctggcc 120
tggtatcagc agaagcccgg ccaggcccct aagctgctgg tgtactttgc ctctaccagg 180
gagagcggag tgccagacag attctctggc agcggctccg gcacagactt caccctgaca 240
atcagctccg tgcaggcaga ggacctggca gattatttct gccagcagca ctacgatacc 300
ccctatacat ttggcggcgg caccaagctg gagatcaag 339

<210> 8
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 8

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

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

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

Ala Pro Lys Leu Leu Val Tyr Phe Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

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

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

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

Lys

<210> 9
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 9
caggtgcagc tgggtgcagtc tggagcagag gtggtgaagc caggagcctc tgtgaaggtg 60
agctgtaagg ccagcggcta ctccttcacc ggctatacaa tgaactgggt gaggcaggca 120
ccaggacaga atctggagtg gatcggcctg atcaaccctt acaatgccgg cacctcttat 180
aaccagaagt ttcagggcaa ggtgaccctg acagtggaca agtccacctc tacagcctac 240
atggagctga gctccctgcg gagcgaggat acagccgtgt actattgcgc ccggtccgag 300
tacagatatg gcggcgacta ctttgattat tggggccagg gcaccacact gaccgtgtct 360
agc 363

<210> 10
<211> 121
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 10

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
20 25 30

Thr Met Asn Trp Val Arg Gln Ala Pro Gly Gln Asn Leu Glu Trp Ile
35 40 45

Gly Leu Ile Asn Pro Tyr Asn Ala Gly Thr Ser Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Val Thr Leu Thr Val Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

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

Ala Arg Ser Glu Tyr Arg Tyr Gly Gly Asp Tyr Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Thr Leu Thr Val Ser Ser
115 120

<210> 11

<211> 339

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 11

gacatcgtga tgaccagtc cccaagctcc ctggccgtgt ctgtgggaga gcgggtgaca 60

atctcctgta agtctagcca gtctctgctg aactcctcta atcagaagaa ctacctggcc 120

tggtatcagc agaagcccgg ccaggcccct aagctgctga tctacttcgc ctctaccagg	180
gagagcggag tgccagacag attctctggc agcggctccg gcacagactt caccctgaca	240
atcagctccg tgcaggcaga ggacgtggca gattactatt gccagcagca ctacgatacc	300
ccctatacat ttggcggcgg caccaagctg gagatcaag	339

<210> 12
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Artificial Sequence

<400> 12

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

Glu	Arg	Val	Thr	Ile	Ser	Cys	Lys	Ser	Ser	Gln	Ser	Leu	Leu	Asn	Ser
			20				25						30		

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

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

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

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

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

Lys

<210> 13
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Artificial Sequence

<400> 13
 gacatcgtga tgaccagtc cccaagctcc ctggccgtgt ctgtgggaga gcgggtgaca 60
 atctcctgta agtctagcca gtctctgctg aactcctcta atcagaagaa ctacctggcc 120
 tggatatcagc agaagcccgg ccaggcccct aagctgctga tctacttcgc ctctaccagg 180
 gagagcggag tgccagacag attctctggc agcggctccg gcacagactt caccctgaca 240
 atcagctccc tgcaggcaga ggacgtggcc gtgtactatt gccagcagca ctacgatacc 300
 ccctatacat ttggcggcgg caccaagctg gagatcaag 339

<210> 14
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Artificial Sequence

<400> 14

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

Glu Arg Val Thr Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
 20 25 30

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

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

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

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

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

Lys

<210> 15
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 15

Gly Tyr Ser Phe Thr Gly Tyr Thr
1 5

<210> 16
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 16

Ile Asn Pro Tyr Asn Ala Gly Thr
1 5

<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 17

Ala Arg Ser Glu Tyr Arg Tyr Gly Gly Asp Tyr Phe Asp Tyr
1 5 10

<210> 18

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 18

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

<210> 19

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 19

Phe Ala Ser
1

<210> 20

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 20

Gln Gln His Tyr Asp Thr Pro Tyr Thr
1 5

<210> 21
<211> 330
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Artificial Sequence

<400> 21

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 22

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Artificial Sequence

<400> 22

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
1 5 10 15

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
20 25 30

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
35 40 45

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
85 90 95

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105