

SEQUENCE LISTING

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Olson, William
Tavare, Richard
Thurston, Gavin

<120> ANTI-CD8 ANTIBODIES AND USES THEREOF

<130> 9774.357W01/10357W001

<140> TBA

<141> 2018-07-23

<150> 62/536,239

<151> 2017-07-24

<150> 62/660,902

<151> 2018-04-20

<160> 20

<170> PatentIn version 3.5

<210> 1

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<212> DNA

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ccaggcaagg ggctggagtg ggtggcagtt atatggtatg atggaagtaa taaatacttt	180
gaagactccg tgaagggccg attcaacatc tccagagaca attccaagaa catagtgtat	240
ctgcaaatga acagcctgag agccgaggac acggctgtgt atttctgtgc gagaagttac	300
gatatgttga ctgggtcggg tgactactac ggtttggacg tctggggcca agggaccacg	360
gtcaccgtct cctca	375

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ile Phe Ser Asn Tyr
20 25 30

Gly Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Phe Glu Asp Ser Val
50 55 60

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

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

Ala Arg Ser Tyr Asp Met Leu Thr Gly Ser Gly Asp Tyr Tyr Gly Leu
100 105 110

Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

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24

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<223> 4 CDR1

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Gly Phe Ile Phe Ser Asn Tyr Gly
1 5

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<212> DNA

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<400> 5

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<210> 6

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<212> PRT

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<223> 6 CDR2

<400> 6

Ile Trp Tyr Asp Gly Ser Asn Lys
1 5

<210> 7

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> 7 CDR3

<400> 7

gcgagaagtt acgatatggt gactgggtcg ggtgactact acggtttgga cgtc

54

<210> 8

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> 8 CDR3

<400> 8

Ala	Arg	Ser	Tyr	Asp	Met	Leu	Thr	Gly	Ser	Gly	Asp	Tyr	Tyr	Gly	Leu
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Asp Val

<210> 9

<211> 321

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gggaaagccc	ctaagtcct	gatctatggt	gcatccagtt	tgcaaagtgg	ggtcccatca	180
aagttcagcg	gcagtggatc	tgggacagat	ttcactctca	ccatcagcag	cctgcagcct	240
gaagattttg	caacttatta	ttgtcaacag	tataacaatt	atcctctcac	tttcggcgga	300
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<211> 107

<212> PRT

<213> Artificial Sequence

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<223> 10 VK

<400> 10

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

Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Thr	Asn	Tyr
			20					25					30		

Leu	Ala	Trp	Phe	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Ser	Leu	Ile
		35					40				45				

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

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

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Asn Tyr Pro Leu
85 90 95

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

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<223> 11 CDR1

<400> 11
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18

<210> 12
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<212> PRT
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<223> 12 CDR1

<400> 12

Gln Asp Ile Thr Asn Tyr
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<210> 13
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<223> 13 CDR2

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<223> 14 CDR2

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27

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<223> 16 CDR3

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Gln Gln Tyr Asn Asn Tyr Pro Leu Thr
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ggatgttcat ggcttttcca accacgaggc gctgctgcta gcccacttt tctcctttac      240
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cgactcggcg atacctttgt actcactctc tcagatttta gacgcgaaaa tgaaggatat      360
tatttctgct ccgccctctc aaattcaatc atgtatttct ctcattttgt tcctgtattc      420
cttcccgcga aaccaactac cactcctgct ccccgcccc caacacctgc tccaactatt      480
gcatcccaac cactctccct cagacccgaa gcttgtcgcc ccgccgccgg aggtgctggt      540
cacactagag gactcgattt tgcttgcgac atttatatct gggccccact tgcagggtact      600
tgcggagtat tgctgctctc acttggtatt actctttatt gcaaccatag aaaccgacgc      660
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<210> 18
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<213> Homo sapiens

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<400> 18

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Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
1          5          10          15

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Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly
          20          25          30

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

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Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
          50          55          60

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Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
65          70          75          80

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Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
          85          90          95

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Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu
          100          105          110

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Pro Ala Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala
115 120 125

Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg
130 135 140

Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Cys
145 150 155 160

Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys Gly Val Leu Leu
165 170 175

Leu Ser Leu Val Ile Thr Leu Tyr Cys Asn His Arg Asn Arg Arg Arg
180 185 190

Val Cys Lys Cys Pro Arg Pro Val Val Lys Ser Gly Asp Lys Pro Ser
195 200 205

Leu Ser Ala Arg Tyr Val
210

<210> 19
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<212> DNA
<213> Homo sapiens

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acaaacaaaa tggtaatgct gtcctgtgaa gctaagatat ccctttcaaa tatgcgcat 180
tactggctta gacaaagaca agcaccagc tcagactcac accatgaatt tctcgccctc 240
tgggattccg caaaaggtac catccatgga gaagaagtag aacaagaaaa aattgcagta 300
ttccgagatg ccagtcgatt catcctcaat ctgacttcag ttaaaccga agatagcgg 360
atctactttt gcatgatcgt tggctcacca gaactcacct tcggtaaagg aaccaattg 420
tccgtcgtcg atttcctgcc cactacagcc caacctacca aaaagtcaac ccttaagaag 480
agagtttgca gactgcccag acccgaaaca cagaaaggac ccctctgctc tcctattaca 540

cttggcttgc tcgtcgctgg agtcctcgtc cttcttgat cccttgagtg tgccattcac 600

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<210> 20

<211> 189

<212> PRT

<213> Homo sapiens

<400> 20

Leu Gln Gln Thr Pro Ala Tyr Ile Lys Val Gln Thr Asn Lys Met Val
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Met Leu Ser Cys Glu Ala Lys Ile Ser Leu Ser Asn Met Arg Ile Tyr
20 25 30

Trp Leu Arg Gln Arg Gln Ala Pro Ser Ser Asp Ser His His Glu Phe
35 40 45

Leu Ala Leu Trp Asp Ser Ala Lys Gly Thr Ile His Gly Glu Glu Val
50 55 60

Glu Gln Glu Lys Ile Ala Val Phe Arg Asp Ala Ser Arg Phe Ile Leu
65 70 75 80

Asn Leu Thr Ser Val Lys Pro Glu Asp Ser Gly Ile Tyr Phe Cys Met
85 90 95

Ile Val Gly Ser Pro Glu Leu Thr Phe Gly Lys Gly Thr Gln Leu Ser
100 105 110

Val Val Asp Phe Leu Pro Thr Thr Ala Gln Pro Thr Lys Lys Ser Thr
115 120 125

Leu Lys Lys Arg Val Cys Arg Leu Pro Arg Pro Glu Thr Gln Lys Gly
130 135 140

Pro Leu Cys Ser Pro Ile Thr Leu Gly Leu Leu Val Ala Gly Val Leu
145 150 155 160

Val Leu Leu Val Ser Leu Gly Val Ala Ile His Leu Cys Cys Arg Arg
165 170 175

Arg Arg Ala Arg Leu Arg Phe Met Lys Gln Phe Tyr Lys
180 185