

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

<213> Artificial Sequence

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<223> 1 VH

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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

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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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Gly Phe Ile Phe Ser Asn Tyr Gly
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<223> 6 CDR2

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Ile Trp Tyr Asp Gly Ser Asn Lys
1 5

<210> 7

<211> 54

<212> DNA

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<210> 8

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<212> PRT

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

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 gggaaagccc ctaagtcctt gatctatggt gcatccagtt tgcaaagtgg ggtcccatca 180
 aagttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct 240
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Thr Asn Tyr
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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
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<210> 12
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<223> 13 CDR2

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<223> 14 CDR2

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Gly Ala Ser

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caacagtata acaattatcc tctcact

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<223> 16 CDR3

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Gln Gln Tyr Asn Asn Tyr Pro Leu Thr

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<212> DNA

<213> Homo sapiens

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tggaaccttg gcgagacagt tgaactcaaa tgccaggtgc tgctttccaa tcccacatca 180

ggatgttcat ggcttttcca accacgaggc gctgctgcta gcccacttt tctcctttac 240

ctttcccaa acaaacctaa agccgccgaa ggactcgaca cacaacgctt ttcaggaaaa 300

cgactcggcg atacctttgt actcactctc tcagatttta gacgcgaaaa tgaaggatat 360

tattttctgct ccgccctctc aaattcaatc atgtatttct ctcattttgt tcctgtattc	420
cttcccgccta aaccaactac cactcctgct ccccgcccc caacacctgc tccaactatt	480
gcatcccaac cactctccct cagacccgaa gcttgtcgcc ccgccgccgg aggtgctgtt	540
cacactagag gactcgattt tgcttgcgac atttatatct gggccccact tgcaggtact	600
tgcgagat tgctgctctc acttggttatt actctttatt gcaaccatag aaaccgacgc	660
agagtttgca aatgtccacg accagttgtc aagtcaggcg ataaaccttc acttagtgca	720
cgatacgtct ga	732

<210> 18
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 <212> PRT
 <213> Homo sapiens

<400> 18

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

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

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

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

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

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

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
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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
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 acaaacaaaa tggtaatgct gtcctgtgaa gctaagatat ccctttcaaa tatgcgcat 180
 tactggctta gacaaagaca agcaccagc tcagactcac accatgaatt tctcgccctc 240
 tgggattccg caaaaggtag catccatgga gaagaagtag aacaagaaaa aattgcagta 300
 ttccgagatg ccagtcgatt catcctcaat ctgacttcag tttaaaccga agatagcggt 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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<213> Homo sapiens

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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