

SEQUENCE LISTING

<110> University of Miami
Keane, Robert W.
Dietrich, W. Dalton
De Rivero Vaccari, Juan Pablo
Bramlett, Helen M.
Brambilla, Roberta

<120> METHODS AND COMPOSITIONS FOR TREATING INFLAMMASOME RELATED DISEASES OR CONDITIONS

<130> UNMI-010/02WO 316457-2045

<150> US 16/026,482

<151> 2018-07-03

<160> 35

<170> PatentIn version 3.5

<210> 1

<211> 16

<212> PRT

<213> Rattus norvegicus

<400> 1

Ala	Leu	Arg	Gln	Thr	Gln	Pro	Tyr	Leu	Val	Thr	Asp	Leu	Glu	Gln	Ser
1				5				10					15		

<210> 2

<211> 14

<212> PRT

<213> Homo sapiens

<400> 2

Arg	Glu	Ser	Gln	Ser	Tyr	Leu	Val	Glu	Asp	Leu	Glu	Arg	Ser
1				5				10					

<210> 3

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3

Cys Glu Tyr Tyr Thr Glu Ile Arg Glu Arg Glu Arg Glu Lys Ser Glu
1 5 10 15

Lys Gly Arg

<210> 4
<211> 15
<212> PRT
<213> Rattus norvegicus

<400> 4

Met Glu Glu Ser Gln Ser Lys Glu Glu Ser Asn Thr Glu Gly Cys
1 5 10 15

<210> 5
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic fragment of caspase activating recruitment domain (ASC)

<400> 5

Lys Lys Phe Lys Leu Lys Leu Leu Ser Val Pro Leu Arg Glu Gly Tyr
1 5 10 15

Gly Arg Ile Pro Arg
20

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR1 Amino Acid Sequence

<400> 6

Thr Ser Gly Met Gly Val Ser
1 5

<210> 7
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR2 Amino Acid Sequence

<400> 7

His	Ile	Tyr	Trp	Asp	Asp	Asp	Lys	Arg	Tyr	Asn	Pro	Ser	Leu	Lys	Ser
1				5					10					15	

<210> 8
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR3 Amino Acid Sequence

<400> 8

Ser	Thr	Pro	Ile	Val	Ala	Asn	Ala	Met	Asp	Tyr
1				5					10	

<210> 9
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR1 Nucleic Acid Sequence

<400> 9

actagtggaa tgggtgtgag c

21

<210> 10
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR2 Nucleic Acid Sequence

<400> 10

cacatttatt gggatgatga taagcgctac aacccatctc tgaagagc

48

<210> 11
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Heavy Chain CDR3 Nucleic Acid Sequence

<400> 11
agcaccccca tcgtggccaa cgccatggac tac

33

<210> 12
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Light (Kappa) Chain CDR1 Amino Acid Sequence

<400> 12
Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Met Asn
1 5 10 15

<210> 13
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Light (Kappa) Chain CDR2 Amino Acid Sequence

<400> 13
Ala Ala Ser Asn Leu Glu Ser
1 5

<210> 14
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Light (Kappa) Chain CDR3 Amino Acid Sequence

<400> 14

Gln Gln Ser Asn Glu Asp Pro Tyr Thr
1 5

<210> 15

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Light (Kappa) Chain CDR1 Nucleic Acid Sequence

<400> 15

aaggccagcc agagtgttga ctacgacggc gacagttaca tgaat 45

<210> 16

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Light (Kappa) Chain CDR2 Nucleic Acid Sequence

<400> 16

gccgcatcta acctggaatc c 21

<210> 17

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Light (Kappa) Chain CDR3 Nucleic Acid Sequence

<400> 17

cagcaatcta atgaggaccc ttacact 27

<210> 18

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> VH1 Heavy Chain Sequence

<400> 18

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

Thr Leu Thr Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Met Gly Val Ser Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
50 55 60

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

Val Leu Lys Ile Thr Ser Val Asp Pro Val Asp Thr Ala Thr Tyr Ser
85 90 95

Cys Ala Arg Ser Thr Pro Ile Val Ala Asn Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Ser Val Thr Val Ser Ser
115 120

<210> 19

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> VH2 Heavy Chain Sequence

<400> 19

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

Thr Leu Thr Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser

20

25

30

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

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
 50 55 60

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

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Ser
 85 90 95

Cys Ala Arg Ser Thr Pro Ile Val Ala Asn Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 20

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> VH3 Heavy Chain Sequence

<400> 20

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

Thr Leu Thr Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
 20 25 30

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

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser

50

55

60

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

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr
 85 90 95

Cys Ala Arg Ser Thr Pro Ile Val Ala Asn Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 21

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> VH4 Heavy Chain Sequence

<400> 21

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

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser
 20 25 30

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

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
 50 55 60

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

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr

85

90

95

Cys Ala Arg Ser Thr Pro Ile Val Ala Asn Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 22

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> VH0 (Chimeric) Heavy Chain

<400> 22

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

Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
 20 25 30

Gly Met Gly Val Ser Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu
 35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
 50 55 60

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

Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr Ala Thr Tyr Ser
 85 90 95

Cys Ala Arg Ser Thr Pro Ile Val Ala Asn Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Ser Val Thr Val Ser Ser

115

120

<210> 23
 <211> 363
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> VH1 Heavy Chain Sequence

<400> 23
 cagggtcacct tgaaggagtc tggtcctgcc atcgtgaaac ccacacagac cctcacgctg 60
 acctgcagct tctctggggtt ctactcagc actagtggaa tgggtgtgag ctggatccgt 120
 cagccctcag gaaagggcct ggagtggctt gcacacattt attgggatga tgataagcgc 180
 tacaacccat ctctgaagag caggctcacc atctccaagg acagctccaa aaaccagggtg 240
 gtccttaaaa tcaccagcgt ggaccctgtg gacacagcca catattcctg tgcacggagc 300
 acccccatcg tggccaacgc catggactac tggggccaag gaaccagcgt caccgtctcc 360
 tca 363

<210> 24
 <211> 363
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> VH2 Heavy Chain Sequence

<400> 24
 cagggtcacct tgaaggagtc tggtcctgcc ctggtgaaac ccacacagac cctcacgctg 60
 acctgcagct tctctggggtt ctactcagc actagtggaa tgggtgtgag ctggatccgt 120
 cagcccgcgc gaaagggcct ggagtggctt gcacacattt attgggatga tgataagcgc 180
 tacaacccat ctctgaagag caggctcacc atctccaagg acagctccaa aaaccagggtg 240
 gtccttacia tgaccaacat ggaccctgtg gacacagcca catattcctg tgcacggagc 300
 acccccatcg tggccaacgc catggactac tggggccaag gaaccctggt caccgtctcc 360
 tca 363

<210> 25
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> VH3 Heavy Chain Sequence

<400> 25
cagggtcacct tgaaggagtc tggctcctgcc ctggtgaaac ccacacagac cctcacgctg 60
acctgcagct tctctggggtt ctactcagc actagtggaa tgggtgtgag ctggatccgt 120
cagcccgccg gaaagggcct ggagtggctt gcacacattt attgggatga tgataagcgc 180
tacaacccat ctctgaagag caggctcacc atctccaagg acagctccaa aaaccaggtg 240
gtccttataa tgaccaacat ggaccctgtg gacacagcca catattactg tgcacggagc 300
accccatcg tggccaacgc catggactac tggggccaag gaaccctggt caccgtctcc 360
tca 363

<210> 26
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> VH4 Heavy Chain Sequence

<400> 26
cagggtcacct tgaaggagtc tggctcctgcc ctggtgaaac ccacacagac cctcacgctg 60
acctgcacct tctctggggtt ctactcagc actagtggaa tgggtgtgag ctggatccgt 120
cagcccgccg gaaagggcct ggagtggctt gcacacattt attgggatga tgataagcgc 180
tacaacccat ctctgaagag caggctcacc atctccaagg acacctccaa aaaccaggtg 240
gtccttataa tgaccaacat ggaccctgtg gacacagcca catattactg tgcacggagc 300
accccatcg tggccaacgc catggactac tggggccaag gaaccctggt caccgtctcc 360
tca 363

<210> 27

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

<220>
<223> VH0 (Chimeric) Heavy Chain

<400> 27
caggttactc tgaaagagtc tggccctggg atattgcagc cctcccagac cctcagtctg 60
acttgttctt tctctgggtt ttcactgagc acttctggta tgggtgtgag ctggattcgt 120
cagccttcag gaaagggctt ggagtggctg gcacacattt actgggatga tgacaagcgc 180
tataacccat ccctgaagag ccggctcaca atctccaagg attcctccag caaccaggtc 240
ttcctcaaga tcaccagtgt ggacactgca gatactgcc aatactcctg tgctcgaagt 300
actccgattg tagctaatac tatggactac tgggggtcaag gaacctcagt caccgtctcc 360
tca 363

<210> 28
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> VL1 Light Chain Sequence

<400> 28

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

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

Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

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

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser

65		70		75		80									
Ser	Leu	Gln	Glu	Glu	Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ser	Asn
			85						90					95	

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

<210> 29
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VL2 Light Chain Sequence

<400> 29

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

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

Gly	Asp	Ser	Tyr	Met	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro	Pro
		35					40					45			

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

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

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

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

<210> 30

<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> VL3 Light Chain Sequence

<400> 30

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

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

Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

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

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

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

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

<210> 31
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> VLO Chimeric Light Chain Sequence

<400> 31

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

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

Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

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

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

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

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

<210> 32
<211> 333
<212> DNA
<213> Artificial Sequence

<220>
<223> VL1 Light Chain Sequence

<400> 32
gacatcgtgc tgacccagtc tccagactcc ctggctgtgt ctctgggcga gagggccacc 60
atcaactgca aggccagcca gagtggtgac tacgacggcg acagttacat gaattggtac 120
cagcagaaac caggacagcc tcctaagctg ctcatctacg ccgcatctaa cctggaatcc 180
ggcatccctg cccgattcag tggcagcggg tctgggacag atttcactct caccatcagc 240
agcctgcagg aggaagatgt ggcaacttat tactgtcagc aatctaataa ggacccttac 300
acttttggcc aggggaccaa gctggagatc aaa 333

<210> 33
<211> 333
<212> DNA

<213> Artificial Sequence

<220>

<223> VL2 Light Chain Sequence

<400> 33

gacatcgtgc tgacccagtc tccagactcc ctggctgtgt ctctgggcga gagggccacc	60
atcaactgca aggccagcca gagtgttgac tacgacggcg acagttacat gaattggtac	120
cagcagaaac caggacagcc tcctaagctg ctcatcttacg ccgcatctaa cctggaatcc	180
ggcatccctg cccgattcag tggcagcggg tctgggacag atttcactct caccatcagc	240
agcctgcagc ctgaagatgt ggcaacttat tactgtcagc aatctaataa ggacccttac	300
acttttggcc aggggaccaa gctggagatc aaa	333

<210> 34

<211> 333

<212> DNA

<213> Artificial Sequence

<220>

<223> VL3 Light Chain Sequence

<400> 34

gacatcgtga tgacccagtc tccagactcc ctggctgtgt ctctgggcga gagggccacc	60
atcaactgca aggccagcca gagtgttgac tacgacggcg acagttacat gaattggtac	120
cagcagaaac caggacagcc tcctaagctg ctcatcttacg ccgcatctaa cctggaatcc	180
ggcatccctg cccgattcag tggcagcggg tctgggacag atttcactct caccatcagc	240
agcctgcagc ctgaagatgt ggcaacttat tactgtcagc aatctaataa ggacccttac	300
acttttggcc aggggaccaa gctggagatc aaa	333

<210> 35

<211> 333

<212> DNA

<213> Artificial Sequence

<220>

<223> VL0 Chimeric Light Chain Sequence

<400> 35

gacattgtgc tgaccaatc tccagcttct ttggctgtgt ctctagggca gagggccacc	60
atctcctgca aggccagcca aagtgttgat tatgatgggtg atagttatat gaactggtac	120
caacagaaac caggacagcc acccaaactc ctcatctatg ctgcatccaa tctagaatct	180
ggcatcccag ccaggtttag tggcagtggg tctgggacag acttcaccct caacatccat	240
cctgtggagg aggaggatgc tgcaacctat tactgtcagc aaagtaatga ggacccgtac	300
acgttcggag gggggaccaa gctggaaata aaa	333