

eolf-seq1

<110> Memo Therapeutics
<120> Method for recovering two or more genes, or gene products, encoding an immunoreceptor

<130> MD 41125
<160> 68
<170> Excel Makro

<210> 1
<212> DNA
<213> artificial
<220> IgH First PCR Sense 5' L-VH3
<211> 27
<400> 1
cccagatggg tcctgtccca ggtgcag

<210> 2
<212> DNA
<213> artificial
<220> IgH First PCR Sense 5' L-VH1
<211> 24
<400> 2
acaggtgccc actcccaggt gcag

<210> 3
<212> DNA
<213> artificial
<220> Forward primers Ig-variable heavy chain 5' SPVH1
<211> 25
<400> 3
acaggtgccc actcccaggt gcag

<210> 4
<212> DNA
<213> artificial
<220> oePCR Primers CK2
<211> 52
<400> 4
accgcctcca ccggcggccg cttattaaca ctctcccctg ttgaagctct t

<210> 5
<212> DNA
<213> artificial
<220> oePCR Primers CK1
<211> 37
<400> 5
atatatatgc ggccgcttaa cactctcccc tgttgaa

<210> 6
<212> DNA
<213> artificial
<220> Igk Second PCR Sense 5' Pan Vk
<211> 28
<400> 6
atgaccagw ctccabycwc cctg

<210> 7
<212> DNA
<213> artificial
<220> Igk First PCR Sense 5' L Vk1/2
<211> 26
<400> 7
atgaggstcc cygctcagct gctgg

<210> 8
<212> DNA
<213> artificial

<220> Igk First PCR Sense 5' L Vk4

<211> 25

<400> 8

atttctctgt tgctctggat ctctg

<210> 9

<212> DNA

<213> artificial

<220> nPCR 5' primer

<211> 18

<400> 9

atTTTTTTTg cgcgctgt

<210> 10

<212> DNA

<213> artificial

<220> IgH First PCR Sense 5' L-VH5

<211> 24

<400> 10

caaggagtct gttccgaggt gcag

<210> 11

<212> DNA

<213> artificial

<220> IgL First PCR Antisense 3' C1

<211> 24

<400> 11

caccagtgtg gccttggtgg ctg

<210> 12

<212> DNA

<213> artificial

<220> IgH First PCR Sense 5' L-VH4/6

<211> 27

<400> 12

cccagatggg tcctgtccca ggtgcag

<210> 13

<212> DNA

<213> artificial

<220> IgL Second PCR Antisense 3' XhoI C1

<211> 28

<400> 13

ctcctcactc gaggggyggga acagagtg

<210> 14

<212> DNA

<213> artificial

<220> Igk First PCR Sense 5' L Vk3

<211> 28

<400> 14

ctcttctcc tgctactctg gctcccag

<210> 15

<212> DNA

<213> artificial

<220> IgH Second PCR Sense 5' AgeI VH1/5

<211> 40

<400> 15

ctgcaaccgg tgtacat tc cgaggtgcag ctggtgcag

<210> 16

<212> DNA

<213> artificial

<220> Igk Specific PCR Sense 5' AgeI Vk 2-24

<211> 40

<400> 16

ctgcaaccgg tgtacatggg gatattgtga tgaccagac

eolf-seq1

<210> 17
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 2-28
<211> 40
<400> 17
ctgcaaccgg tgtacatggg gatattgtga tgactcagtc

<210> 18
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 3-15
<211> 40
<400> 18
ctgcaaccgg tgtacattca gaaatagtga tgacgcagtc

<210> 19
<212> DNA
<213> artificial
<220> IgH Second PCR Sense 5' AgeI VH4-34
<211> 40
<400> 19
ctgcaaccgg tgtacattcc caggtgcagc tacagcagtg

<210> 20
<212> DNA
<213> artificial
<220> IgH Second PCR Sense 5' AgeI VH4
<211> 39
<400> 20
ctgcaaccgg tgtacattcc caggtgcagc tgcaggag

<210> 21
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 4-1
<211> 40
<400> 21
ctgcaaccgg tgtacattcg gacatcgtga tgaccagtc

<210> 22
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 1-5
<211> 41
<400> 22
ctgcaaccgg tgtacattct gacatccaga tgaccagtc

<210> 23
<212> DNA
<213> artificial
<220> IgH Second PCR Sense 5' AgeI VH3
<211> 39
<400> 23
ctgcaaccgg tgtacattct gaggtgcagc tgggtggag

<210> 24
<212> DNA
<213> artificial
<220> IgH Second PCR Sense 5' AgeI VH3-23
<211> 38
<400> 24
ctgcaaccgg tgtacattct gaggtgcagc tgttggag

<210> 25
<212> DNA
<213> artificial

eolf-seq1

<220> Igk Specific PCR Sense 5' AgeI Vk 1D-43
 <211> 41
 <400> 25
 ctgcaaccgg tgtacattgt gccatccgga tgaccagtc

<210> 26
 <212> DNA
 <213> artificial
 <220> Forward primers Overlap extension PCR 5' BSSH2 VH434
 <211> 40
 <400> 26
 ctgcagcgcg cgtacattcc caggtgcagc tacagcagtg

<210> 27
 <212> DNA
 <213> artificial
 <220> Forward primers Overlap extension PCR 5' BSSH2 VH4
 <211> 39
 <400> 27
 ctgcagcgcg cgtacattcc caggtgcagc tgcaggag

<210> 28
 <212> DNA
 <213> artificial
 <220> Forward primers Overlap extension PCR 5' BSSH2 VH1/5
 <211> 39
 <400> 28
 ctgcagcgcg cgtacattcc gaggtgcagc tgggtgcag

<210> 29
 <212> DNA
 <213> artificial
 <220> Forward primers Overlap extension PCR 5' BSSH2 VH3
 <211> 39
 <400> 29
 ctgcagcgcg cgtacattct gaggtgcagc tgggtggag

<210> 30
 <212> DNA
 <213> artificial
 <220> Forward primers Overlap extension PCR 5' BSSH2 VH323
 <211> 39
 <400> 30
 ctgcagcgcg cgtacattct gaggtgcagc tgttggag

<210> 31
 <212> DNA
 <213> artificial
 <220> Ig1 Second PCR Sense 5' AgeI V17/8
 <211> 38
 <400> 31
 ctgctaccgg ttccaattcy cagrctgtgg tgacycag

<210> 32
 <212> DNA
 <213> artificial
 <220> Ig1 Second PCR Sense 5' AgeI V12
 <211> 38
 <400> 32
 ctgctaccgg ttcttgggcc cagtctgccc tgactcag

<210> 33
 <212> DNA
 <213> artificial
 <220> Ig1 Second PCR Sense 5' AgeI V11
 <211> 39
 <400> 33
 ctgctaccgg ttcttgggcc cagtctgtgc tgackcag

eolf-seq1

```

<210> 34
<212> DNA
<213> artificial
<220> Igl Second PCR Sense 5' AgeI V14/5
<211> 37
<400> 34
ctgctaccgg ttctctctcs cagcytgtgc tgactca

<210> 35
<212> DNA
<213> artificial
<220> Igl Second PCR Sense 5' AgeI V13
<211> 38
<400> 35
ctgctaccgg ttctgtgacc tcctatgagc tgacwcag

<210> 36
<212> DNA
<213> artificial
<220> Igl Second PCR Sense 5' AgeI V16
<211> 38
<400> 36
ctgctaccgg ttcttgggcc aattttatgc tgactcag

<210> 37
<212> DNA
<213> artificial
<220> oePCR Primers CH
<211> 20
<400> 37
gacsgatggg cccttggtgg

<210> 38
<212> DNA
<213> artificial
<220> Igl First PCR Sense 5' L V18
<211> 23
<400> 38
gagtggattc tcagactgtg gtg

<210> 39
<212> DNA
<213> artificial
<220> Igk Specific PCR Antisense 3' BsiWI Jk5
<211> 30
<400> 39
gccaccgtac gtttaatctc cagtcgtgc

<210> 40
<212> DNA
<213> artificial
<220> Igk Second PCR Antisense 3' BsiWI Jk 3
<211> 30
<400> 40
gccaccgtac gtttgatatc cactttggtc

<210> 41
<212> DNA
<213> artificial
<220> Igk Specific PCR Antisense 3' BsiWI Jk11/2/4
<211> 30
<400> 41
gccaccgtac gtttgatytic caccttggtc

<210> 42
<212> DNA
<213> artificial

```

eolf-seq1

<220> Ig-variable kappa light chain linker primer 5' xbaI v1

<211> 26

<400> 42

gccgcgcagt gcgaatatct agatgt

<210> 43

<212> DNA

<213> artificial

<220> Igl First PCR Sense 5' L V13

<211> 23

<400> 43

gctctgtgac ctcctatgag ctg

<210> 44

<212> DNA

<213> artificial

<220> oePCR Primers JH1

<211> 30

<400> 44

ggaggcgctc gagacggtga ccagggtgcc

<210> 45

<212> DNA

<213> artificial

<220> oePCR Primers JH3

<211> 30

<400> 45

ggaggcgctc gagacggtga ccagggttcc

<210> 46

<212> DNA

<213> artificial

<220> oePCR Primers JH2

<211> 30

<400> 46

ggaggcgctc gagacggtga ccattgtccc

<210> 47

<212> DNA

<213> artificial

<220> oePCR Primers JH4

<211> 30

<400> 47

ggaggcgctc gagacggtga ccgtggtccc

<210> 48

<212> DNA

<213> artificial

<220> oePCR Primers VK2

<211> 45

<400> 48

ggcgcgccat gggaatagct agccgatgtt gtgatgactc agtct

<210> 49

<212> DNA

<213> artificial

<220> Igh First PCR Antisense 3' Cμ CH1

<211> 21

<400> 49

gggaattctc agaggagacg a

<210> 50

<212> DNA

<213> artificial

<220> Igl First PCR Sense 5' L V17

<211> 23

<400> 50

ggtccaattc ycaggctgtg gtg

eolf-seq1

```

<210> 51
<212> DNA
<213> artificial
<220> Igl First PCR Sense 5' L V12
<211> 23
<400> 51
ggcctgggc ccagtctgcc ctg

<210> 52
<212> DNA
<213> artificial
<220> Igl First PCR Sense 5' L V11
<211> 24
<400> 52
ggcctgggc ccagtctgtg ctg

<210> 53
<212> DNA
<213> artificial
<220> Igl First PCR Sense 5' L V14/5
<211> 23
<400> 53
ggtctctctc scagcytgtg ctg

<210> 54
<212> DNA
<213> artificial
<220> Igk Second PCR Antisense Ck 494
<211> 23
<400> 54
gtgctgtcct tgctgtcctg ctc

<210> 55
<212> DNA
<213> artificial
<220> Igl First PCR Sense 5' L V16
<211> 23
<400> 55
gttcttgggc caattttatg ctg

<210> 56
<212> DNA
<213> artificial
<220> Reverse primer Ig-variable heavy chain 3'CHg1 adaptor
<211> 23
<400> 56
gttgtccacc ttggtgttgc tgg

<210> 57
<212> DNA
<213> artificial
<220> Igk First PCR Antisense 3' Ck 543
<211> 24
<400> 57
gtttctcgta gtctgctttg ctca

<210> 58
<212> PRT
<213> artificial
<220> Peptide antigens used for ELISA (AB2-antigen protein
sequence)
<211> 20
<400> 58
Ser Thr Gly Asp Ala Asp Gly Pro Gly Gly Pro Gly Ile Pro Asp Gly
Pro Gly Gly Asn

<210> 59

```

eolf-seq1

<212> PRT
<213> artificial
<220> control peptide sequence
<211> 4
<400> 59
Leu Pro Thr Thr Met Asn Tyr Pro Leu Trp Ser Gln Ser Tyr Glu Asp
Ser Ser Asn Gln

<210> 60
<212> DNA
<213> artificial
<220> oePCR Primers VH4
<211> 35
<400> 60
tattcccatg gcgcgccsag gtgcagctgg tggag

<210> 61
<212> DNA
<213> artificial
<220> Ig-variable heavy chain linker primer 3' SalI JH:
<211> 25
<400> 61
tattcgact gcgcggcgtc gacgc

<210> 62
<212> DNA
<213> artificial
<220> IgH Second PCR Antisense 3' SalI JH1/2
<211> 33
<400> 62
tgcgaagtcg acgcctgagg agacggtgac cag

<210> 63
<212> DNA
<213> artificial
<220> IgH Second PCR Antisense 3' SalI JH3
<211> 34
<400> 63
tgcgaagtcg acgctgaaga gacggtgacc attg

<210> 64
<212> DNA
<213> artificial
<220> IgH Second PCR Antisense 3' SalI JH6
<211> 33
<400> 64
tgcgaagtcg acgctgagga gacggtgacc gtg

<210> 65
<212> DNA
<213> artificial
<220> IgH Second PCR Antisense 3' SalI JH4/5
<211> 31
<400> 65
tgcgaagtcg acgctgagga gacgtgacca g

<210> 66
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 3-11
<211> 32
<400> 66
ttgtgctgca accggtgtac attcagaaat tc

<210> 67
<212> DNA
<213> artificial
<220> Igk Specific PCR Sense 5' AgeI Vk 3-20
Page 8

eo1f-seq1

<211> 46

<400> 67

ttgtgctgca accggtgtac attcagaaat tgtgttgacg cagtct

<210> 68

<212> DNA

<213> artificial

<220> Igk Specific PCR Sense 5' AgeI Vk 1-9

<211> 47

<400> 68

ttgtgctgca accggtgtac attcagacat ccagttgacc cagtct