SEQUENCE LISTING

<110> KANEKA CORPORATION

<120> NOVEL IMMUNOGLOBULIN-BINDING POLYPEPTIDE

<130> B110170W001

<140> PCT/JP2012/057799
<141> 2012-03-26

<150> JP2011-068497
<151> 2011-03-25

<160> 46

<170> PatentIn version 3.5

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<212> PRT
<213> Novel polypeptide (Artificial)

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Ala Asp Asn Arg Phe Asn Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Gly
50 55

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Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg
50 55

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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Gly Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Arg Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115

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20 25 30

Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Arg Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
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Gln Ala Pro Lys
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Ser Leu Lys Asp Asp Pro Ser Val Ser Lys Glu Ile Leu Ala Glu Ala

35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys Ala Asp Asn Lys Phe Asn
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro
85 90 95

Ser Val Ser Lys Glu Ile Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
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Ala Asp Asn Arg Phe Asn Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
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Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Gln Arg Leu Asn Asp Ala Gln Ala Pro Arg
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<213> novel polypeptide (artificial)

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Ala Asp Asn Arg Phe Asn Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile

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20 25 30

Ser Leu Ile Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Gln Arg Leu Asn Asp Ala Gln Ala Pro Arg
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<212> PRT
<213> novel polypeptide (artificial)

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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Ser Leu Ile Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg
50 55

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<212> PRT
<213> novel polypeptide (artificial)

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Ala Asp Asn Arg Phe Asn Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Ser Leu His Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg
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Ala Asp Asn Arg Phe Asn Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Glu Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg
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Leu Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
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Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg
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<210> 37
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<210> 38
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20 25 30

Ser Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Gln Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Arg Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Gln Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115

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20 25 30

Ser Leu Ile Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Gln Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu

65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Ile Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Gln Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115

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20 25 30

Ser Leu Ile Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Ile Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln
20 25 30

Ser Leu His Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu His Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115

<210> 42
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20 25 30

Glu Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Glu Leu Arg Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115

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Leu His Leu Pro Asn Leu Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln

20 25 30

Leu Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Leu Leu Arg Asp Asp Pro
85 90 95

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100 105 110

Gln Ala Pro Lys
115

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20 25 30

Thr Leu Arg Asp Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
35 40 45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
50 55 60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Thr Leu Arg Asp Asp Pro
85 90 95

Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
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Gln Ala Pro Lys
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            20                  25                  30

Ser Leu Arg Ile Asp Pro Ser Val Ser Arg Glu Ile Leu Ala Glu Ala
        35                  40                  45

Arg Arg Leu Asn Asp Ala Gln Ala Pro Arg Ala Asp Asn Arg Phe Asn
    50                  55                  60

Arg Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65                  70                  75                  80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Arg Ile Asp Pro
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Ser Val Ser Arg Glu Ile Leu Ala Glu Ala Arg Arg Leu Asn Asp Ala
            100                 105                 110

Gln Ala Pro Lys
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<210> 46
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Ala Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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20 25 30

Glu Leu Lys Asp Asp Pro Ser Val Ser Lys Glu Ile Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys Ala Asp Asn Lys Phe Asn
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu
65 70 75 80

Thr Glu Glu Gln Arg Asn Ala Phe Ile Gln Glu Leu Lys Asp Asp Pro
85 90 95

Ser Val Ser Lys Glu Ile Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala
100 105 110

Gln Ala Pro Lys
115