

SEQUENCE LISTING

<110> Kagoshima University

<120> Specific modification of an antibody with an IgG binding peptide

<130> PH-6549-PCT

<150> JP 2015-103153

<151> 2015-05-20

<160> 37

<170> PatentIn version 3.5

<210> 1

<211> 13

<212> PRT

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<223> IgG-binding peptide

<220>

<221> misc_feature

<222> (6)..(6)

<223> Xaa is lysine, cystein, aspartic acid, glutamic acid, 2-amino
suberic acid, or diaminopropionic acid

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Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr
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<210> 2

<211> 17

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<221> misc_feature

<222> (8)..(8)

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suberic acid, or diaminopropionic acid

<400> 2

Gly	Pro	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr	Phe
1				5					10					15	

His

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suberic acid, or diaminopropionic acid

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Arg	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Ser
1				5				10				

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suberic acid, or diaminopropionic acid

<400> 4

Gly Pro Arg Cys Ala Tyr His Xaa Gly Glu Leu Val Trp Cys Ser Phe
1 5 10 15

His

<210> 5

<211> 17

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suberic acid, or diaminopropionic acid

<400> 5

Ser Pro Asp Cys Ala Tyr His Xaa Gly Glu Leu Val Trp Cys Thr Phe
1 5 10 15

His

<210> 6

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suberic acid, or diaminopropionic acid

<400> 6

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His

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<400> 7

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1				5					10					15	

His

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suberic acid, or diaminopropionic acid

<400> 8

Gly	Pro	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Ser	Phe
1				5					10					15	

His

<210> 9

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suberic acid, or diaminopropionic acid

<400> 9

Gly	Pro	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr	His
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His

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Tyr

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<400> 11

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1

5

10

15

Tyr

<210> 12

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suberic acid, or diaminopropionic acid

<400> 12

Ser	Asp	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr	Phe
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Tyr

<210> 13

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suberic acid, or diaminopropionic acid

<400> 13

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His

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suberic acid, or diaminopropionic acid

<400> 14

Asp	Cys	Thr	Tyr	His	Xaa	Gly	Asn	Leu	Val	Trp	Cys	Thr
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<210> 15

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suberic acid, or diaminopropionic acid

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Asp	Cys	Ala	Tyr	His	Xaa	Gly	Asn	Leu	Val	Trp	Cys	Thr
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<210> 16

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<400> 16

Asp Cys Thr Tyr His Xaa Gly Glu Leu Val Trp Cys Thr
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<210> 17

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suberic acid, or diaminopropionic acid

<400> 17

Asp Cys Ala Trp His Xaa Gly Glu Leu Val Trp Cys Thr
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<210> 18

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<400> 18

Asp Cys Thr Tyr Thr Xaa Gly Asn Leu Val Trp Cys Thr
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<210> 19

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<400> 19

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suberic acid, or diaminopropionic acid

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Asp	Cys	Thr	Tyr	Arg	Xaa	Gly	Asn	Leu	Val	Trp	Cys	Thr
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suberic acid, or diaminopropionic acid

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Asp	Cys	Thr	Tyr	Ser	Xaa	Gly	Asn	Leu	Val	Trp	Cys	Thr
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suberic acid, or diaminopropionic acid

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Asp	Cys	Thr	Tyr	Thr	Xaa	Gly	Asn	Leu	Val	Trp	Cys	Thr
1				5					10			

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suberic acid, or diaminopropionic acid

<400> 26

Asp	Cys	Thr	Tyr	Thr	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr
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<400> 27

Asp	Cys	Thr	Tyr	Thr	Xaa	Gly	Arg	Leu	Val	Trp	Cys	Thr
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suberic acid, or diaminopropionic acid

<400> 28

Asp	Cys	Thr	Tyr	Thr	Xaa	Gly	Asp	Leu	Val	Trp	Cys	Thr
1				5					10			

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suberic acid, or diaminopropionic acid

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Asp	Cys	Thr	Tyr	Thr	Xaa	Gly	Asn	Leu	Ile	Trp	Cys	Thr
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<210> 30

<211> 110

<212> PRT

<213> Homo Sapiens

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Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
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Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
20 25 30

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
35 40 45

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
50 55 60

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
65 70 75 80

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
85 90 95

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
100 105 110

<210> 31

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<212> PRT

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<222> (2).. (2)
<223> Xaa is homoserine

<220>
<221> misc_feature
<222> (16).. (16)
<223> Xaa is homoserine

<400> 31

Gly Xaa Asp Cys Ala Tyr His Arg Gly Glu Leu Val Trp Cys Thr Xaa
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His

<210> 32
<211> 17
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<222> (8).. (8)
<223> Xaa is lysine, cystein, aspartic acid, glutamic acid, 2-amino
suberic acid, or diaminopropionic acid

<400> 32

Gly Pro Asp Cys Ala Tyr His Xaa Gly Glu Leu Val Trp Cys Thr Phe
1 5 10 15

His

<210> 33
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<212> PRT
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1 5 10

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suberic acid, or diaminopropionic acid

<400> 35

Arg	Gly	Asn	Cys	Ala	Tyr	His	Xaa	Gly	Gln	Leu	Val	Trp	Cys	Thr	Tyr
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His

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<222> (16)..(16)

<223> Xaa is homoserine

<400> 36

Gly	Xaa	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys	Thr	Xaa
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His

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<223> Xaa is lysine, cystein, aspartic acid, glutamic acid, 2-amino
suberic acid, or diaminopropionic acid

<400> 37

Arg	Arg	Gly	Pro	Asp	Cys	Ala	Tyr	His	Xaa	Gly	Glu	Leu	Val	Trp	Cys
1				5					10					15	

Thr Phe His