

K 3789WO_ST25
SEQUENCE LISTING

<110> Universität Konstanz

<120> Bioconjugates comprising Ab-autoantibody specific epitopes
for
active Immunotherapie and diagnosis of Alzheimer'disease

<130> K 3789WO

<150> EP 08 012 557.8

<151> 2008-07-11

<150> US 61/079,876

<151> 2008-07-11

<160> 42

<170> PatentIn version 3.5

<210> 1

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> peptide

<400> 1

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5					10					15	

Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile
			20					25					30		

Gly	Leu	Met	Val	Gly	Gly	Val	Val	Ile	Ala
		35				40			

<210> 2

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 2

K 3789WO_ST25

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 3
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 3

Phe Arg His Asp Ser Gly Tyr
1 5

<210> 4
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 4

Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val
1 5 10 15

Gly

<210> 5
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 5

Ala Ile Ile Gly Leu Met Val Gly
1 5

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 6

Gly Ala Ile Ile Gly Leu Met Val Gly
1 5

<210> 7

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 7

Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10

<210> 8

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 8

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10

<210> 9

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 9

Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10

<210> 10

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 10

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10

<210> 11

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 11

Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10

<210> 12

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 12

Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10 15

K 3789WO_ST25

<210> 13
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 13

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
1 5 10 15

<210> 14
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 14

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10 15

Val Gly

<210> 15
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 15

Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu
1 5 10 15

Met Val Gly

<210> 16
<211> 20

K 3789WO_ST25

<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 16

Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly
1 5 10 15

Leu Met Val Gly
20

<210> 17
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 17

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15

Gly Leu Met Val Gly
20

<210> 18
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> peptid

<400> 18

Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile
1 5 10 15

Ile Gly Leu Met Val Gly
20

K 3789WO_ST25

<210> 19
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 19

Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
 1 5 10 15

Ile Ile Gly Leu Met Val Gly
 20

<210> 20
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 20

His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly
 1 5 10 15

Ala Ile Ile Gly Leu Met Val Gly
 20

<210> 21
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 21

His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
 1 5 10 15

Gly Ala Ile Ile Gly Leu Met Val Gly
 20 25

<210> 22
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 22

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
 1 5 10 15

Lys Gly Ala Ile Ile Gly Leu Met Val Gly
 20 25

<210> 23
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 23

Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser
 1 5 10 15

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
 20 25

<210> 24
 <211> 29
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 24

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
 1 5 10 15

K 3789WO_ST25

Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val
 20 25

<210> 25
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 25

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
 1 5 10 15

<210> 26
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 26

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
 1 5 10

<210> 27
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 27

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
 1 5 10

<210> 28
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

K 3789WO_ST25

<223> peptid

<400> 28

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15

Gly Leu Met Val Gly Gly Val Val Ile Ala
20 25

<210> 29

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 29

Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val
1 5 10 15

Val Asn Ser

<210> 30

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 30

Ile Glu Gln Tyr Leu Lys Lys Ile Lys Asn Ser Ile Ser Thr Glu Trp
1 5 10 15

Ser Pro Cys Ser
20

<210> 31

<211> 15

<212> PRT

<213> Artificial Sequence

K 3789WO_ST25

<220>

<223> peptid

<400> 31

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
1 5 10 15

<210> 32

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 32

Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
1 5 10 15

Ala Ser His Leu Glu
20

<210> 33

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 33

Asn Ser Val Asp Asp Ala Leu Ile Asn Ser Thr Lys Ile Tyr Ser Tyr
1 5 10 15

Phe Pro Ser Val
20

<210> 34

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

K 3789WO_ST25

<223> peptid

<400> 34

Pro Gly Ile Asn Gly Lys Ala Ile His Leu Val Asn Asn Glu Ser Ser
1 5 10 15

Glu

<210> 35

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 35

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
1 5 10

<210> 36

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 36

Ser Gly Pro Leu Lys Ala Glu Ile Ala Gln Arg Leu Glu
1 5 10

<210> 37

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 37

Ser Gly Pro Leu Lys Ala Glu Ile Ala Gln Arg Leu Glu
1 5 10

K 3789WO_ST25

<210> 38
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 38

Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val
 1 5 10 15

<210> 39
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 39

Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asp
 1 5 10 15

<210> 40
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> peptid

<400> 40

Asn Val Pro Asp Pro Gln Val Gly Ile Thr Thr Met Arg Asp Leu Lys
 1 5 10 15

Gly

<210> 41
 <211> 23
 <212> PRT
 <213> Artificial Sequence

K 3789WO_ST25

<220>

<223> peptid

<400> 41

Met Ser Arg Ile Ala Ala Gly Asp Leu Glu Ser Ser Val Asp Asp Pro
1 5 10 15

Arg Ser Glu Glu Asp Arg Arg
20

<210> 42

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> peptid

<400> 42

Asp Arg Ala His Tyr Asn Ile
1 5