

109650P877PC\_ST25.txt  
SEQUENCE LISTING

<110> Numab AG

<120> Bispecific Constructs and Their Use in the Treatment of Various Diseases

<130> 109650P877PC

<140> not yet assigned  
<141> 2014-05-12

<150> EP13002500.0  
<151> 2013-05-10

<160> 7

<170> PatentIn version 3.5

<210> 1  
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<220>  
<223> synthetic peptide linker

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Gly Gly Gly Gly Ser  
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Gly Gly Gly Ser  
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<400> 3

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

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

109650P877PC\_ST25.txt

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ser Ala Ser Lys Leu Ala Ala Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Asn Arg Tyr Ser Asn  
85 90 95

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

Gly

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ile Asp Phe Asn Ser Asn  
20 25 30

Tyr Tyr Met Cys Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Cys Ile Tyr Val Gly Ser His Val Asn Thr Tyr Tyr Ala Asn  
50 55 60

Trp Ala Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr  
65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Ala Thr Ser Gly Ser Ser Val Leu Tyr Phe Lys Phe Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

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109650P877PC\_ST25.txt

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

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

Lys Arg Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu  
 35 40 45

Leu Ile Tyr Thr Ala Ser Ser Leu Ala Ser Gly Val Pro Ser Arg Phe  
 50 55 60

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

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gly Glu Phe Thr Cys  
 85 90 95

Ser Asn Ala Asp Cys Phe Thr Phe Gly Gln Gly Thr Lys Leu Thr Val  
 100 105 110

Leu Gly

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 <223> VH anti-CD3 clone 6  
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Leu Ser Ser Tyr  
 20 25 30

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

Gly Met Ile Leu Arg Ala Gly Asn Ile Tyr Tyr Ala Ser Trp Val Lys  
 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu  
 Seite 3

109650P877PC\_ST25.txt

65 70 75 80

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

Arg Arg His Tyr Asn Arg Glu Gly Tyr Pro Ile Gly Ile Gly Asp Leu  
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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
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Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Glu Asn Ile Tyr Ser Phe  
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ser Ala Ser Lys Leu Ala Ala Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Asn Arg Tyr Ser Asn  
85 90 95

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

Gly Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly  
115 120 125

Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly  
130 135 140

Phe Pro Leu Ser Ser Tyr Ala Met Ile Trp Val Arg Gln Ala Pro Gly  
145 150 155 160

Lys Gly Leu Glu Trp Ile Gly Met Ile Leu Arg Ala Gly Asn Ile Tyr  
165 170 175

109650P877PC\_ST25.txt

Tyr Ala Ser Trp Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser  
 180 185 190  
 Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr  
 195 200 205  
 Ala Val Tyr Tyr Cys Ala Arg Arg His Tyr Asn Arg Glu Gly Tyr Pro  
 210 215 220  
 Ile Gly Ile Gly Asp Leu Trp Gly Gln Gly Thr Leu Val Thr Val Ser  
 225 230 235 240  
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 245 250 255  
 Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu  
 260 265 270  
 Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln Ser Ser Glu  
 275 280 285  
 Ser Val Tyr Asn Asn Lys Arg Leu Ser Trp Tyr Gln Gln Lys Pro Gly  
 290 295 300  
 Lys Ala Pro Lys Leu Leu Ile Tyr Thr Ala Ser Ser Leu Ala Ser Gly  
 305 310 315 320  
 Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu  
 325 330 335  
 Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln  
 340 345 350  
 Gly Glu Phe Thr Cys Ser Asn Ala Asp Cys Phe Thr Phe Gly Gln Gly  
 355 360 365  
 Thr Lys Leu Thr Val Leu Gly Gly Gly Gly Gly Ser Glu Val Gln Leu  
 370 375 380  
 Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu  
 385 390 395 400  
 Ser Cys Ala Ala Ser Gly Ile Asp Phe Asn Ser Asn Tyr Tyr Met Cys  
 405 410 415  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile Gly Cys Ile  
 420 425 430  
 Tyr Val Gly Ser His Val Asn Thr Tyr Tyr Ala Asn Trp Ala Lys Gly  
 435 440 445

109650P877PC\_ST25.txt

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln  
450 455 460

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Thr  
465 470 475 480

Ser Gly Ser Ser Val Leu Tyr Phe Lys Phe Trp Gly Gln Gly Thr Leu  
485 490 495

Val Thr Val Ser Ser  
500