Sequence Listing

<210> SEQ ID NO 1
<211> LENGTH: 449
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: sequence is synthesized
<400> SEQUENCE: 1

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys
             20                  25                  30
Asp Thr Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
             35                  40                  45
Glu Trp Val Ala Arg Ile Tyr Pro Thr Asn Gly Tyr Thr Arg Tyr
             50                  55                  60
Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser
             65                  70                  75
Lys Asn Thr Ala Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
             80                  85                  90
Thr Ala Val Tyr Tyr Cys Ser Arg Trp Gly Gly Asp Gly Phe Tyr
             95                 100                 105
Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
            110                 115                 120
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser
            125                 130                 135
Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys
            140                 145                 150
Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala
            155                 160                 165
Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser
            170                 175                 180
Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
            185                 190                 195
Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
            200                 205                 210
Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
            215                 220                 225
Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
            230                 235                 240
Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            245                 250                 255
Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
            260                 265                 270
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
            275                 280                 285
Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
            290                 295                 300
Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
            305                 310                 315
Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
            320                 325                 330
Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
            335                 340                 345
Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
            350                 355                 360
Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
            365                 370                 375
Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            380                 385                 390
```

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Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
                395                 400                 405
Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
                410                 415                 420
Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
                425                 430                 435
His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
                440                 445
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<210> SEQ ID NO 2
<211> LENGTH: 214
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Sequence is synthesized.
<400> SEQUENCE: 2

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
  1               5                  10                  15
Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Asn
                20                  25                  30
Thr Ala Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
                35                  40                  45
Leu Leu Ile Tyr Ser Ala Ser Phe Leu Tyr Ser Gly Val Pro Ser
                50                  55                  60
Arg Phe Ser Gly Ser Arg Ser Gly Thr Asp Phe Thr Leu Thr Ile
                65                  70                  75
Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
                80                  85                  90
His Tyr Thr Thr Pro Pro Thr Phe Gly Gln Gly Thr Lys Val Glu
                95                 100                 105
Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
               110                 115                 120
Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
               125                 130                 135
Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val
               140                 145                 150
Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu
               155                 160                 165
Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr
               170                 175                 180
Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu
               185                 190                 195
Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn
               200                 205                 210
Arg Gly Glu Cys
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SEQ ID NO 3

> Sequence of brentuximab heavy chain: HC-6His

MQIQLQQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIYPGSGNTKYNEKFKGK
ATLTVDTSSSTAFMQLSSLTSEDTAVYFCANYGNYWFAYWGQGTQVTVSAASTKGPSVFPLAPSSKST
SGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVN
HKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA
KGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLY
SKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGSHHHHHH

SEQ ID NO 4

> Sequence of brentuximab light chain: LC

MDIVLTQSPASLAVSLGQRATISCKASQSVDFDGDSYMNWYQQKPGQPPKVLIYAASNLESGIPARFS
GSGSGTDFTLNIHPVEEEDAATYYCQQSNEDPWTFGGGTKLEIKRTVAAPSVFIFPPSDEQLKSGTAS
VVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQ
GLSSPVTKSFNRGEC

SEQ ID NO 5

>Sequence of anti-CD74 heavy chain: HC

M Q V Q L V E S G G G V V Q P G R S L R L S C A A S G F T F S S Y G
M H W V R Q A P D K G L E W V A V I W Y D G S N K Y Y A D S V K G R
F T I S R D N S K N T L Y L Q M N S L R A E D T A V Y Y C A R G G T
L V R G A M Y G T D V W G Q G T T V T V S S A S T K G P S V F P L A
P S S K S T S G G T A A L G C L V K D Y F P E P V T V S W N S G A L
T S G V H T F P A V L Q S S G L Y S L S S V V T V P S S S L G T Q T
Y I C N V N H K P S N T K V D K K V E P K S C D K T H T C P P C P A
P E L L G G P S V F L F P P K P K D T L M I S R T P E V T C V V V D
V S H E D P E V K F N W Y V D G V E V H N A K T K P R E E Q Y N S T
Y R V V S V L T V L H Q D W L N G K E Y K C K V S N K A L P A P I E
K T I S K A K G Q P R E P Q V Y T L P P S R E E M T K N Q V S L T C
L V K G F Y P S D I A V E W E S N G Q P E N N Y K T T P P V L D S D
G S F F L Y S K L T V D K S R W Q Q G N V F S C S V M H E A L H N H
Y T Q K S L S L S P G K G G S H H H H H H

SEQ ID NO 6

>Sequence of anti-CD74 light chain

M D I Q M T Q S P S S L S A S V G D R V T I T C R A S Q G I S S W L
A W Y Q Q K P E K A P K S L I Y A A S S L Q S G V P S R F S G S G S
G T D F T L T I S S L Q P E D F A T Y Y C Q Q Y N S Y P L T F G G G
T K V E I K R T V A A P S V F I F P P S D E Q L K S G T A S V V C L
L N N F Y P R E A K V Q W K V D N A L Q S G N S Q E S V T E Q D S K
D S T Y S L S S T L T L S K A D Y E K H K V Y A C E V T H Q G L S S
P V T K S F N R G E C