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SEQUENCE LISTING

<110> REMEGEN CO., LTD.

<120> ANTI-CLAUDIN 18.2 ANTIBODY AND ANTIBODY-DRUG CONJUGATE THEREOF

<130> 2021

<160> 34

<170> PatentIn version 3.5

<210> 1

<211> 119

<212> PRT

<213> Artificial sequence

<220>

<223> Heavy chain variable region

<400> 1

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
20 25 30

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

Gly Leu Ile Asn Pro Gly Ser Gly Gly Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

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

Ala Arg Gly Gly Tyr Tyr Gly Asn Ser Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

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<400> 2

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

Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
 20 25 30

Gly Asn Gln Lys Asn Tyr Leu Thr Trp Tyr Leu Gln Lys Pro Gly Gln
 35 40 45

Ser Pro Gln Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
 50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys
 65 70 75 80

Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln Asn
 85 90 95

Ala Tyr Tyr Tyr Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile
 100 105 110

Lys

<210> 3
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<400> 3

Gly Tyr Ala Phe Thr Asn Tyr
1 5

<210> 4

<211> 10

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<213> Artificial sequence

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<400> 4

Gly Tyr Ala Phe Thr Asn Tyr Leu Ile Glu
1 5 10

<210> 5

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<223> CDR of heavy chain

<400> 5

Asn Tyr Leu Ile Glu
1 5

<210> 6

<211> 6

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<223> CDR of heavy chain

<400> 6

Thr Asn Tyr Leu Ile Glu
1 5

<210> 7

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Gly Tyr Ala Phe Thr Asn Tyr Leu
 1 5

<210> 8
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<400> 8

Asn Pro Gly Ser Gly Gly
 1 5

<210> 9
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<400> 9

Leu Ile Asn Pro Gly Ser Gly Gly Thr Asn
 1 5 10

<210> 10
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<400> 10

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

Gly

<210> 11

<211> 13

<212> PRT

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<400> 11

Trp	Met	Gly	Leu	Ile	Asn	Pro	Gly	Ser	Gly	Gly	Thr	Asn
1				5					10			

<210> 12

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<400> 12

Ile	Asn	Pro	Gly	Ser	Gly	Gly	Thr
1				5			

<210> 13

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<400> 13

Gly	Gly	Tyr	Tyr	Gly	Asn	Ser	Phe	Ala	Tyr
1				5					10

<210> 14

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<400> 14

Gly Gly Tyr Tyr Gly Asn Ser Phe Ala Tyr
 1 5 10

<210> 15
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 <212> PRT
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<220>
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<400> 15

Gly Gly Tyr Tyr Gly Asn Ser Phe Ala Tyr
 1 5 10

<210> 16
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<400> 16

Ala Arg Gly Gly Tyr Tyr Gly Asn Ser Phe Ala
 1 5 10

<210> 17
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<220>
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<400> 17

Ala Arg Gly Gly Tyr Tyr Gly Asn Ser Phe Ala Tyr
 1 5 10

<210> 18
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<220>
 <223> CDR of light chain

<400> 18

Lys	Ser	Ser	Gln	Ser	Leu	Leu	Asn	Ser	Gly	Asn	Gln	Lys	Asn	Tyr	Leu
1				5					10					15	

Thr

<210> 19
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<400> 19

Lys	Ser	Ser	Gln	Ser	Leu	Leu	Asn	Ser	Gly	Asn	Gln	Lys	Asn	Tyr	Leu
1				5					10					15	

Thr

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<400> 20

Lys	Ser	Ser	Gln	Ser	Leu	Leu	Asn	Ser	Gly	Asn	Gln	Lys	Asn	Tyr	Leu
1				5					10					15	

Thr

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<220>
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<400> 21

Leu Asn Ser Gly Asn Gln Lys Asn Tyr Leu Thr Trp Tyr
 1 5 10

<210> 22
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<220>
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<400> 22

Gln Ser Leu Leu Asn Ser Gly Asn Gln Lys Asn Tyr
 1 5 10

<210> 23
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<220>
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<400> 23

Trp Ala Ser Thr Arg Glu Ser
 1 5

<210> 24
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<400> 24

Trp Ala Ser Thr Arg Glu Ser
1 5

<210> 25

<211> 7

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<400> 25

Trp Ala Ser Thr Arg Glu Ser
1 5

<210> 26

<211> 10

<212> PRT

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<223> CDR of light chain

<400> 26

Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu
1 5 10

<210> 27

<211> 3

<212> PRT

<213> Artificial sequence

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<223> CDR of light chain

<400> 27

Trp Ala Ser
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<210> 28

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> CDR of light chain

<400> 28

Gln Asn Ala Tyr Tyr Tyr Pro Tyr Thr
1 5

<210> 29

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> CDR of light chain

<400> 29

Gln Asn Ala Tyr Tyr Tyr Pro Tyr Thr
1 5

<210> 30

<211> 9

<212> PRT

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<220>

<223> CDR of light chain

<400> 30

Gln Asn Ala Tyr Tyr Tyr Pro Tyr Thr
1 5

<210> 31

<211> 8

<212> PRT

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<220>

<223> CDR of light chain

<400> 31

Gln Asn Ala Tyr Tyr Tyr Pro Tyr
1 5

<210> 32

<211> 9

<212> PRT
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<220>
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<400> 32

Gln Asn Ala Tyr Tyr Tyr Pro Tyr Thr
1 5

<210> 33
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<400> 33

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
20 25 30

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

Gly Leu Ile Asn Pro Gly Ser Gly Gly Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

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

Ala Arg Gly Gly Tyr Tyr Gly Asn Ser Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
115 120 125

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
195 200 205

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
210 215 220

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
225 230 235 240

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
260 265 270

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
290 295 300

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305 310 315 320

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
325 330 335

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
 340 345 350

Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr
 355 360 365

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
 370 375 380

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
 385 390 395 400

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
 405 410 415

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
 420 425 430

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 435 440 445

Lys

<210> 34
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<400> 34

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

Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser
 20 25 30

Gly Asn Gln Lys Asn Tyr Leu Thr Trp Tyr Leu Gln Lys Pro Gly Gln
 35 40 45

Ser Pro Gln Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys
65 70 75 80

Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln Asn
85 90 95

Ala Tyr Tyr Tyr Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile
100 105 110

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
115 120 125

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
130 135 140

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
145 150 155 160

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
165 170 175

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
180 185 190

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
195 200 205

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215 220