

Sequence Listings

<110> REMEGEN, LTD.

<120> Anti-mesothelin antibody and antibody drug conjugate thereof

<130> IEC190132

<160> 10

<170> SIPOSequenceListing 1.0

<210> 1

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223>VH-CDR1

<400> 1

Gly	Phe	Asp	Phe	Ser	Arg	Tyr	Trp	Met	Ser
1				5					10

<210> 2

<211> 17

<212> PRT

<213> Artificial sequence

<220>

<223>VH-CDR2

<400> 2

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

<210> 3

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223>VH-CDR3

<400> 3

Arg	Gly	Ser	His	Tyr	Tyr	Gly	Tyr	Arg	Thr	Gly	Tyr	Phe	Asp
1				5					10				

<210> 4

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223>VL-CDR1

<400> 4

Ser Ala Ser Ser Ser Val Ser Tyr Met Tyr
1 5 10

<210> 5

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223>VL-CDR2

<400> 5

Asp Thr Ser Asn Leu Ala Ser
1 5

<210> 6

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223>VL-CDR3

<400> 6

Gln Gln Trp Ser Ser Tyr Pro Pro Thr
1 5

<210> 7

<211> 124

<212> PRT

<213> Artificial sequence

<220>

<223>VH

<400> 7

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 Asp Phe Ser Arg Tyr
20 25 30
Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Val Tyr Thr Pro Ser Leu
50 55 60
Lys Asp Lys Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys

				85					90					95		
Ala	Arg	Arg	Gly	Ser	His	Tyr	Tyr	Gly	Tyr	Arg	Thr	Gly	Tyr	Phe	Asp	
			100					105					110			
Val	Trp	Gly	Ala	Gly	Thr	Thr	Val	Thr	Val	Ser	Ser					
		115					120									

<210> 8
 <211> 106
 <212> PRT
 <213> Artificial sequence

<220>
 <223>VL

<400> 8																
Asp	Val	Val	Met	Thr	Gln	Ser	Pro	Ala	Phe	Leu	Ser	Val	Thr	Pro	Gly	
1			5					10					15			
Glu	Lys	Val	Thr	Met	Thr	Cys	Ser	Ala	Ser	Ser	Ser	Val	Ser	Tyr	Met	
			20					25					30			
Tyr	Trp	His	Gln	Gln	Lys	Pro	Asp	Gln	Ala	Pro	Lys	Leu	Leu	Ile	Tyr	
		35					40					45				
Asp	Thr	Ser	Asn	Leu	Ala	Ser	Gly	Val	Pro	Val	Arg	Phe	Ser	Gly	Ser	
	50					55					60					
Gly	Ser	Gly	Thr	Asp	Phe	Thr	Phe	Thr	Ile	Ser	Arg	Met	Glu	Ala	Glu	
65				70					75					80		
Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Trp	Ser	Ser	Tyr	Pro	Pro	Thr	
				85					90					95		
Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys							
			100					105								

<210> 9
 <211> 233
 <212> PRT
 <213> Artificial sequence

<220>
 <223>Light chain

<400> 9																
Met	Val	Ser	Pro	Leu	Gln	Phe	Leu	Arg	Leu	Leu	Leu	Leu	Trp	Val	Pro	
1			5					10					15			
Ala	Ser	Arg	Gly	Asp	Val	Val	Met	Thr	Gln	Ser	Pro	Ala	Phe	Leu	Ser	
			20					25					30			
Val	Thr	Pro	Gly	Glu	Lys	Val	Thr	Met	Thr	Cys	Ser	Ala	Ser	Ser	Ser	
		35					40					45				
Val	Ser	Tyr	Met	Tyr	Trp	His	Gln	Gln	Lys	Pro	Asp	Gln	Ala	Pro	Lys	
	50					55					60					
Leu	Leu	Ile	Tyr	Asp	Thr	Ser	Asn	Leu	Ala	Ser	Gly	Val	Pro	Val	Arg	
65				70					75					80		
Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Phe	Thr	Ile	Ser	Arg	
				85				90						95		
Met	Glu	Ala	Glu	Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Trp	Ser	Ser	
			100					105					110			

Tyr	Pro	Pro	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg	Thr
		115					120					125			
Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu	Gln	Leu
	130					135					140				
Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe	Tyr	Pro
145					150					155					160
Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln	Ser	Gly
			165						170					175	
Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr
		180						185					190		
Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu	Lys	His
	195						200					205			
Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser	Pro	Val
	210					215					220				
Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys							
225					230										

<210> 10
 <211> 473
 <212> PRT
 <213> Artificial sequence

<220>
 <223>Heavy chain

<400> 10															
Met	Glu	Phe	Gly	Leu	Ser	Trp	Val	Phe	Leu	Val	Ala	Ile	Leu	Lys	Gly
1				5					10					15	
Val	Gln	Cys	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln
			20					25					30		
Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Asp	Phe
		35					40					45			
Ser	Arg	Tyr	Trp	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
	50					55					60				
Glu	Trp	Ile	Gly	Glu	Ile	Asn	Pro	Asp	Ser	Ser	Thr	Ile	Val	Tyr	Thr
65				70					75					80	
Pro	Ser	Leu	Lys	Asp	Lys	Phe	Ile	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn
			85						90				95		
Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Leu
			100					105					110		
Tyr	Tyr	Cys	Ala	Arg	Arg	Gly	Ser	His	Tyr	Tyr	Gly	Tyr	Arg	Thr	Gly
		115				120						125			
Tyr	Phe	Asp	Val	Trp	Gly	Ala	Gly	Thr	Thr	Val	Thr	Val	Ser	Ser	Ala
	130					135					140				
Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Ser	Ser	Lys	Ser
145					150					155					160
Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr	Phe
			165					170						175	
Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser	Gly
		180						185					190		
Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser	Leu
	195						200					205			

Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr	Tyr
210						215					220				
Ile	Cys	Asn	Val	Asn	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Lys
225					230					235					240
Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro
				245					250						255
Ala	Pro	Glu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Cys	Lys
			260				265								270
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val
		275					280								285
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr
		290				295					300				
Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu
305					310					315					320
Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His
				325					330						335
Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys
			340					345							350
Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln
		355					360								365
Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met
	370					375					380				
Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro
385					390					395					400
Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn
				405					410						415
Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu
			420					425							430
Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val
		435					440					445			
Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln
	450					455					460				
Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys							
465					470										