SEQUENCE LISTING

<110> AbGenomics Cooperatief U.A.
BASSARAB, Stefan
ENENKEL, Barbara
GARIDEL, Patrick
SCHOTT, Heidrun
SINGH, Sanjaya
LITZENBURGER, Tobias

<120> ANTI-PSGL-1 ANTIBODIES AND USES THEREOF

<130> A0871.70004WO00

<140> N/A
<141> 2012-06-11

<150> US 61/496249
<151> 2011-06-13

<160> 21

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 219
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H Light Chain amino acid sequence

<400> 1

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	Arg	Ser	Ser	Gln	Ser	Ile	Val	His	Asn
			20					25					30		
Asp	Gly	Asn	Thr	Tyr	Phe	Glu	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala
		35					40					45			
Pro	Lys	Leu	Leu	Ile	Tyr	Lys	Val	Ser	Asn	Arg	Phe	Ser	Gly	Val	Pro
	50					55					60				
Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	His	Phe	Thr	Leu	Thr	Ile
65					70					75					80
Ser	Ser	Leu	Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Phe	Gln	Gly
				85					90					95	
Ser	Tyr	Val	Pro	Leu	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys
			100					105					110		
Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu
		115					120					125			
Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe
	130					135					140				
Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln
145					150					155					160
Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser
				165					170					175	
Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu
			180					185					190		
Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser
		195					200					205			
Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys					
	210					215									

<210> 2
<211> 447
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H Heavy Chain amino acid sequence

<400> 2

```
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 Thr Phe Ser Ser Phe
            20                  25                  30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45
Ala Tyr Ile Asn Gly Gly Ser Ser Thr Ile Phe Tyr Ala Asn Ala Val
    50                  55                  60
Lys Gly Arg Phe Thr 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 Val Tyr Tyr Cys
                85                  90                  95
Ala Arg Tyr Ala Ser Tyr Gly Gly Gly Ala Met Asp Tyr Trp Gly Gln
            100                 105                 110
Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
        115                 120                 125
Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala
    130                 135                 140
Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145                 150                 155                 160
Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
                165                 170                 175
Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
            180                 185                 190
Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys
        195                 200                 205
Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro
    210                 215                 220
Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val
225                 230                 235                 240
Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
                245                 250                 255
Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu
            260                 265                 270
Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
        275                 280                 285
Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser
    290                 295                 300
Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305                 310                 315                 320
Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile
                325                 330                 335
Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
            340                 345                 350
Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
        355                 360                 365
Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
    370                 375                 380
Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
385                 390                 395                 400
Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg
                405                 410                 415
Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
```

420 425 430
His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 3
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H Variable Light Chain Region (VL) amino acid sequence

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

<210> 4
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H Variable Heavy Chain Region (VH) amino acid sequence

<400> 4
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 Thr Phe Ser Ser Phe
20 25 30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala Tyr Ile Asn Gly Gly Ser Ser Thr Ile Phe Tyr Ala Asn Ala Val
50 55 60
Lys Gly Arg Phe Thr 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 Val Tyr Tyr Cys
85 90 95
Ala Arg Tyr Ala Ser Tyr Gly Gly Gly Ala Met Asp Tyr Trp Gly Gln
100 105 110
Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 5
<211> 16

<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL CDR1 amino acid sequence

<400> 5
Arg Ser Ser Gln Ser Ile Val His Asn Asp Gly Asn Thr Tyr Phe Glu
1 5 10 15

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL CDR2 amino acid sequence

<400> 6
Lys Val Ser Asn Arg Phe Ser
1 5

<210> 7
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL CDR3 amino acid sequence

<400> 7
Phe Gln Gly Ser Tyr Val Pro Leu Thr
1 5

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

<220>
<223> 15A7H VH CDR1 amino acid sequence

<400> 8
Ser Phe Gly Met His
1 5

<210> 9
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VH CDR2 amino acid sequence

<400> 9
Tyr Ile Asn Gly Gly Ser Ser Thr Ile Phe Tyr Ala Asn Ala Val Lys Gly
1 5 10 15

<210> 10
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VH CDR3 amino acid sequence

<400> 10
Tyr Ala Ser Tyr Gly Gly Gly Ala Met Asp Tyr
1 5 10

<210> 11
<211> 412
<212> PRT
<213> Homo sapiens

<220>
<223> Full length human PSGL-1 amino acid sequence

<400> 11
Met Pro Leu Gln Leu Leu Leu Leu Leu Ile Leu Leu Gly Pro Gly Asn
1 5 10 15
Ser Leu Gln Leu Trp Asp Thr Trp Ala Asp Glu Ala Glu Lys Ala Leu
20 25 30
Gly Pro Leu Leu Ala Arg Asp Arg Arg Gln Ala Thr Glu Tyr Glu Tyr
35 40 45
Leu Asp Tyr Asp Phe Leu Pro Glu Thr Glu Pro Pro Glu Met Leu Arg
50 55 60
Asn Ser Thr Asp Thr Thr Pro Leu Thr Gly Pro Gly Thr Pro Glu Ser
65 70 75 80
Thr Thr Val Glu Pro Ala Ala Arg Arg Ser Thr Gly Leu Asp Ala Gly
85 90 95
Gly Ala Val Thr Glu Leu Thr Thr Glu Leu Ala Asn Met Gly Asn Leu
100 105 110
Ser Thr Asp Ser Ala Ala Met Glu Ile Gln Thr Thr Gln Pro Ala Ala
115 120 125
Thr Glu Ala Gln Thr Thr Gln Pro Val Pro Thr Glu Ala Gln Thr Thr
130 135 140
Pro Leu Ala Ala Thr Glu Ala Gln Thr Thr Arg Leu Thr Ala Thr Glu
145 150 155 160
Ala Gln Thr Thr Pro Leu Ala Ala Thr Glu Ala Gln Thr Thr Pro Pro
165 170 175
Ala Ala Thr Glu Ala Gln Thr Thr Gln Pro Thr Gly Leu Glu Ala Gln
180 185 190
Thr Thr Ala Pro Ala Ala Met Glu Ala Gln Thr Thr Ala Pro Ala Ala
195 200 205
Met Glu Ala Gln Thr Thr Pro Pro Ala Ala Met Glu Ala Gln Thr Thr
210 215 220
Gln Thr Thr Ala Met Glu Ala Gln Thr Thr Ala Pro Glu Ala Thr Glu
225 230 235 240
Ala Gln Thr Thr Gln Pro Thr Ala Thr Glu Ala Gln Thr Thr Pro Leu
245 250 255
Ala Ala Met Glu Ala Leu Ser Thr Glu Pro Ser Ala Thr Glu Ala Leu
260 265 270
Ser Met Glu Pro Thr Thr Lys Arg Gly Leu Phe Ile Pro Phe Ser Val
275 280 285
Ser Ser Val Thr His Lys Gly Ile Pro Met Ala Ala Ser Asn Leu Ser
290 295 300
Val Asn Tyr Pro Val Gly Ala Pro Asp His Ile Ser Val Lys Gln Cys
305 310 315 320

```
Leu Leu Ala Ile Leu Ile Leu Ala Leu Val Ala Thr Ile Phe Phe Val
                325                 330                 335
Cys Thr Val Val Leu Ala Val Arg Leu Ser Arg Lys Gly His Met Tyr
            340                 345                 350
Pro Val Arg Asn Tyr Ser Pro Thr Glu Met Val Cys Ile Ser Ser Leu
        355                 360                 365
Leu Pro Asp Gly Gly Glu Gly Pro Ser Ala Thr Ala Asn Gly Gly Leu
    370                 375                 380
Ser Lys Ala Lys Ser Pro Gly Leu Thr Pro Glu Pro Arg Glu Asp Arg
385                 390                 395                 400
Glu Gly Asp Asp Leu Thr Leu His Ser Phe Leu Pro
                405                 410
```

<210> 12
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> IgG4 hinge region amino acid sequence

<400> 12
Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala
 1   5   10

<210> 13
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL FR1

<400> 13
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
            20

<210> 14
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL FR2

<400> 14
Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 1   5   10   15

<210> 15
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL FR3

<400> 15
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Phe Thr
 1   5   10   15
Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
            20   25   30

<210> 16
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VL FR4

<400> 16
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 1   5   10

<210> 17
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VH FR1

<400> 17
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 Thr Phe Ser
            20   25   30

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

<220>
<223> 15A7H VH FR2

<400> 18
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala
 1   5   10

<210> 19
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VH FR3

<400> 19
Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
 1   5   10   15
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20   25   30

<210> 20
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> 15A7H VH FR4

<400> 20
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 21
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<223> IgG4 wild-type hinge region amino acid sequence

<400> 21
Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro Ala
1 5 10