Fig. 1

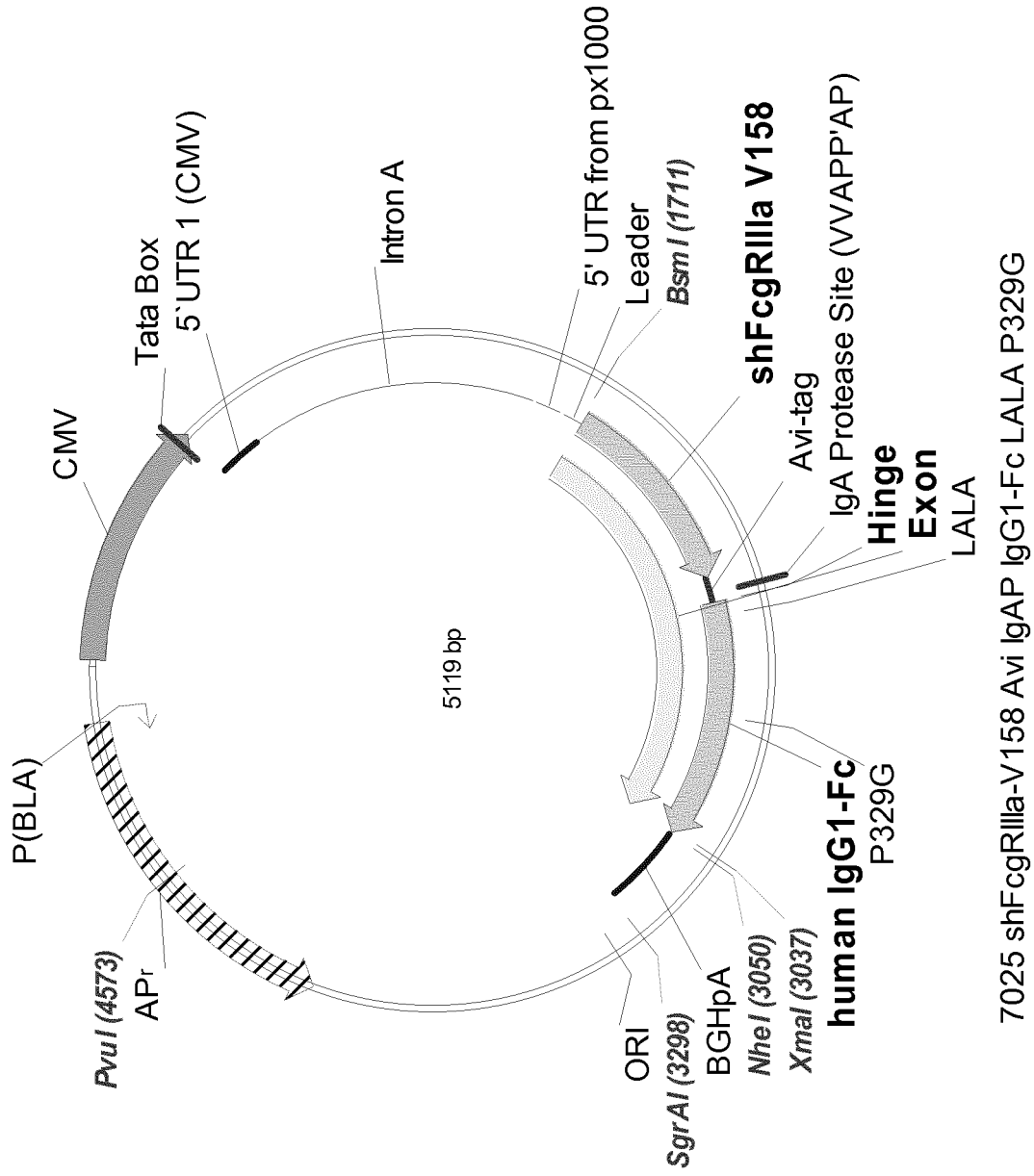
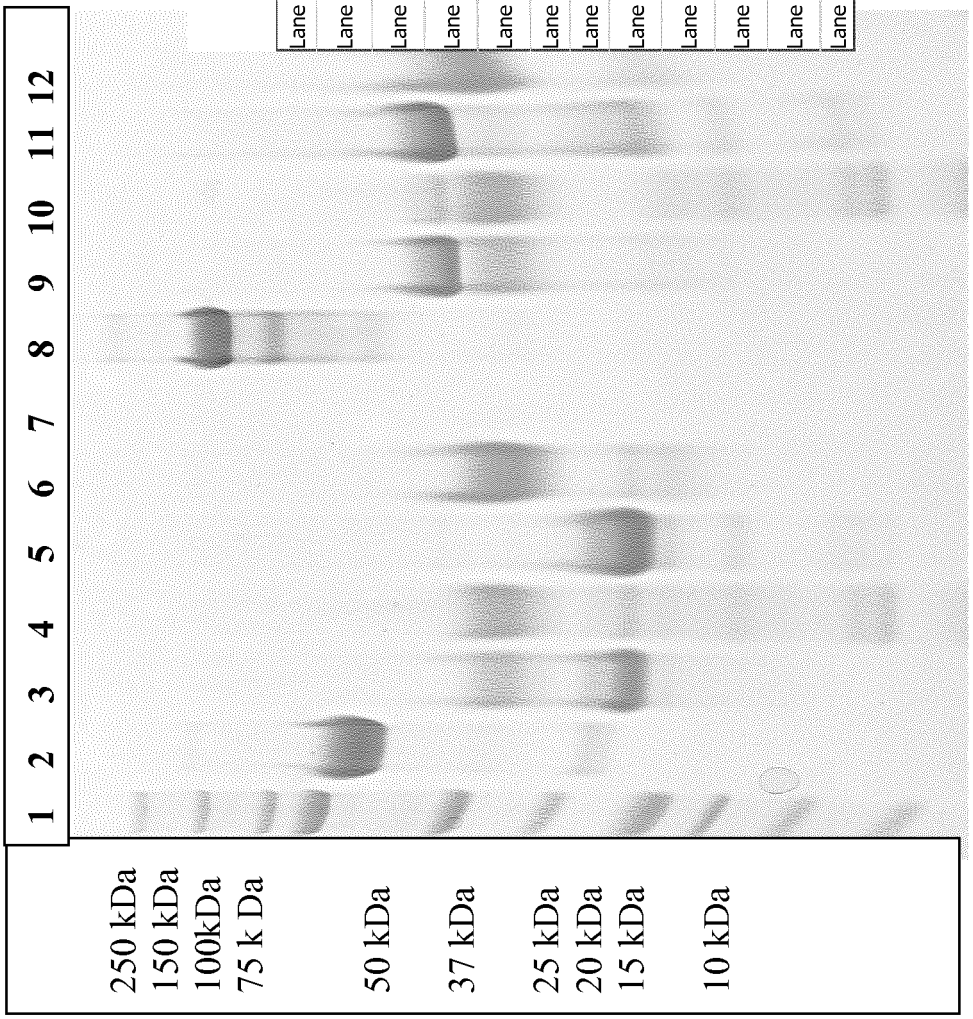

P(BLA)
CMV
Tata Box
5'UTR 1 (CMV)
Intron A
5' UTR from px1000
Leader
Bsm I (1711)
shFcgRIIIa V158
Avi-tag
IgA Protease Site (VVAPP'AP)
Hinge
Exon
LALA
P329G
human IgG1-Fc
Xmal (3037)
Nhe I (3050)
BGHpA
ORI
Sgr AI (3298)
APr
Pvu I (4573)
5119 bp
7025 shFcgRIIIa-V158 Avi IgAP IgG1-Fc LALA P329G

Fig. 2



	Sample Name
Lane 1	Standard
Lane 2	FcγRIIIa-Fc reduced
Lane 3	FcγRIIIa Papain cleaved, reduced
Lane 4	After Protein A, flow through (FcγRIIIa), red.
Lane 5	After Protein A, eluate (Fc), red
Lane 6	After SEC (end product), red
Lane 7	FcγRIIIa-Fc, not reduced
Lane 8	FcγRIIIa Papain cleaved, not reduced
Lane 9	After Protein A, flow through (FcγRIIIa), not red.
Lane 10	After Protein A, eluate (Fc), not red
Lane 11	After SEC (end product), not red
Lane 12	FcγRIIIa-Fc not reduced

Fig. 3

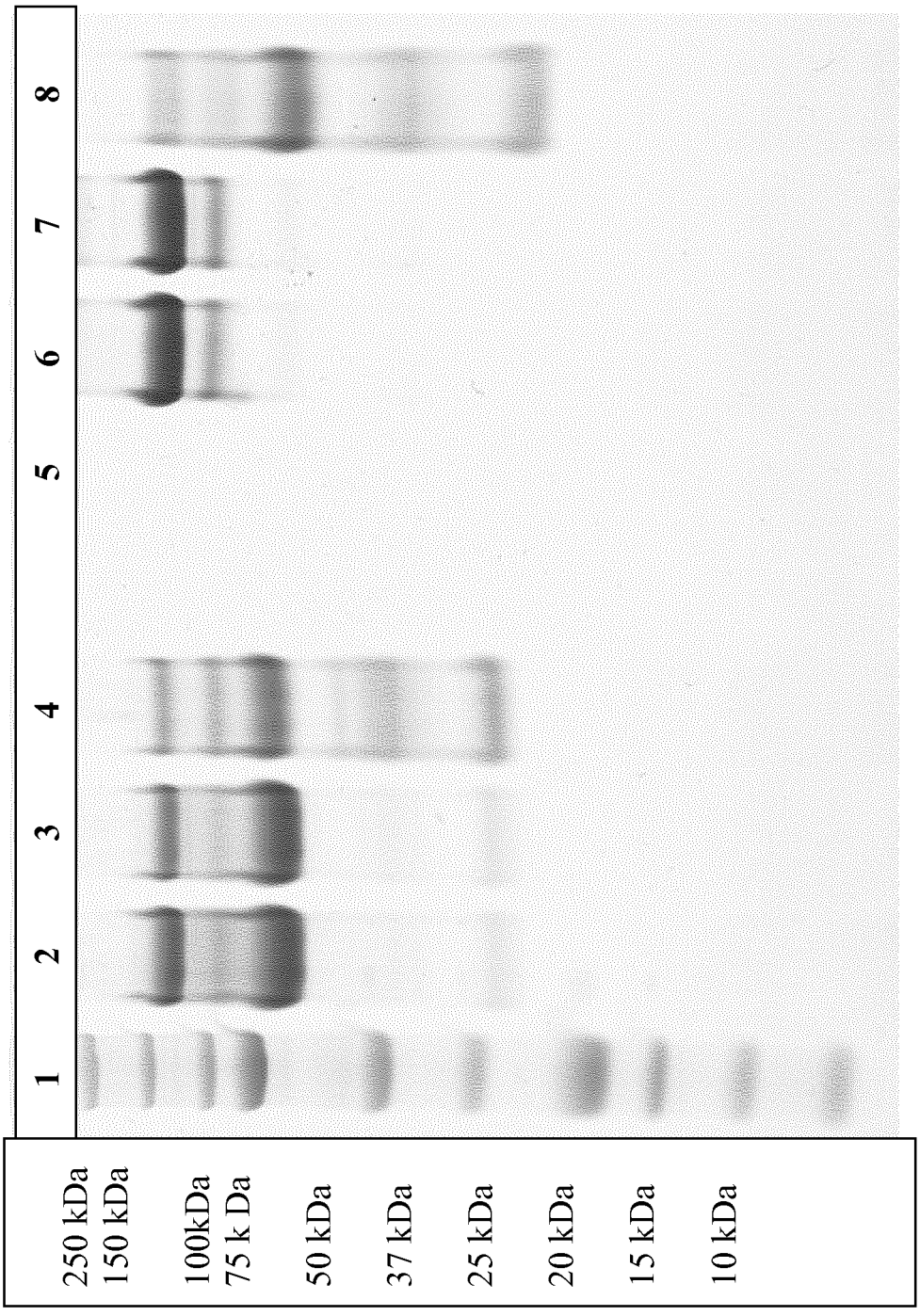

1
2
3
4
5
6
7
8
250 kDa
150 kDa
100kDa
75 k Da
50 kDa
37 kDa
25 kDa
20 kDa
15 kDa
10 kDa

Fig. 4

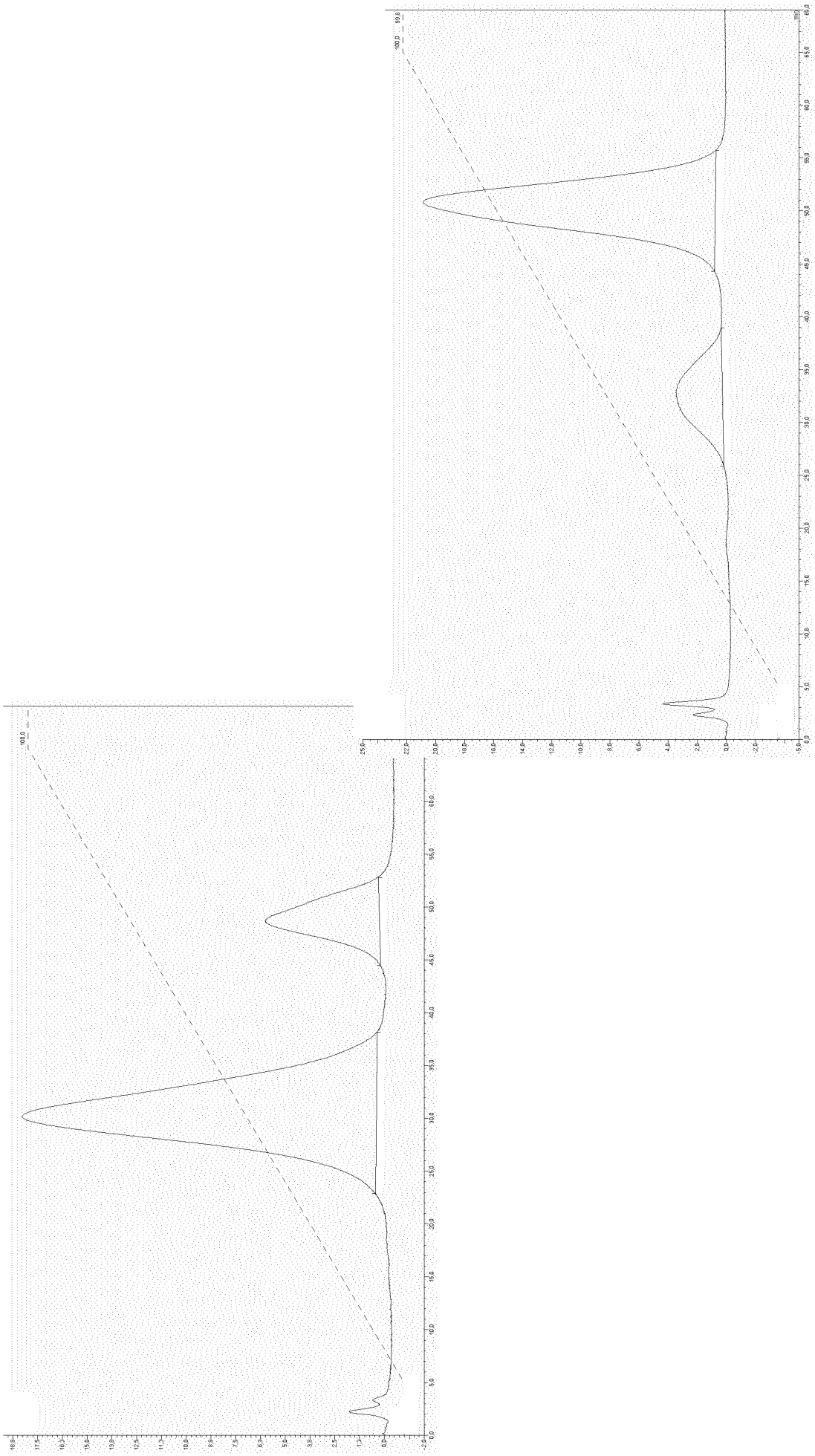
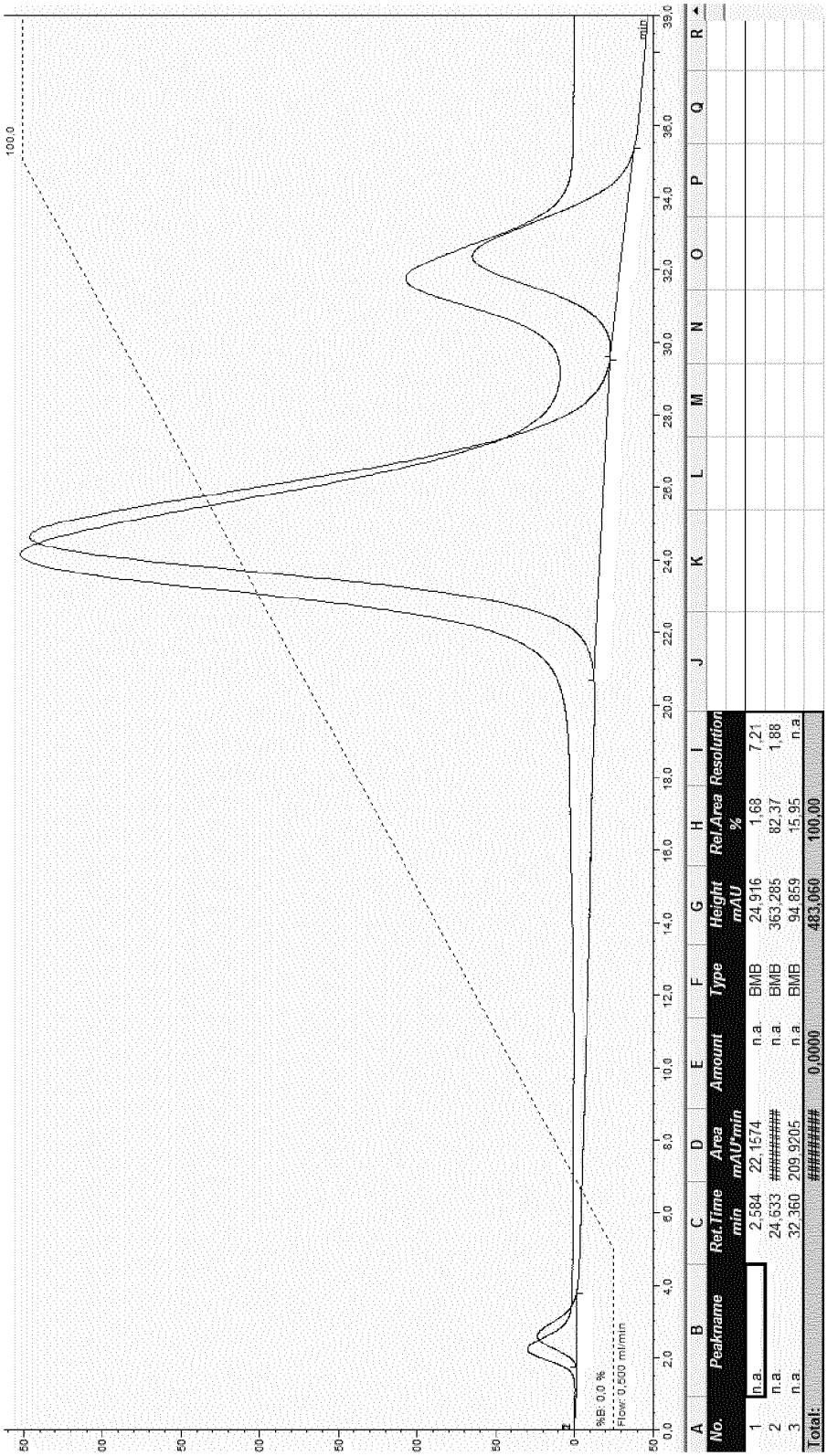


Fig. 5



No.	Peakname	Ret.Time min	Area mAU*min	Amount	Type	Height mAU	Rel.Area %	Resolution
1	n.a.	2,584	22,1574	n.a.	BMB	24,916	1,68	7,21
2	n.a.	24,633	##########	n.a.	BMB	363,285	82,37	1,88
3	n.a.	32,360	209,9205	n.a.	BMB	94,859	15,95	n.a.
Total:			##########	0,0000		483,060	100,00	

Fig. 6

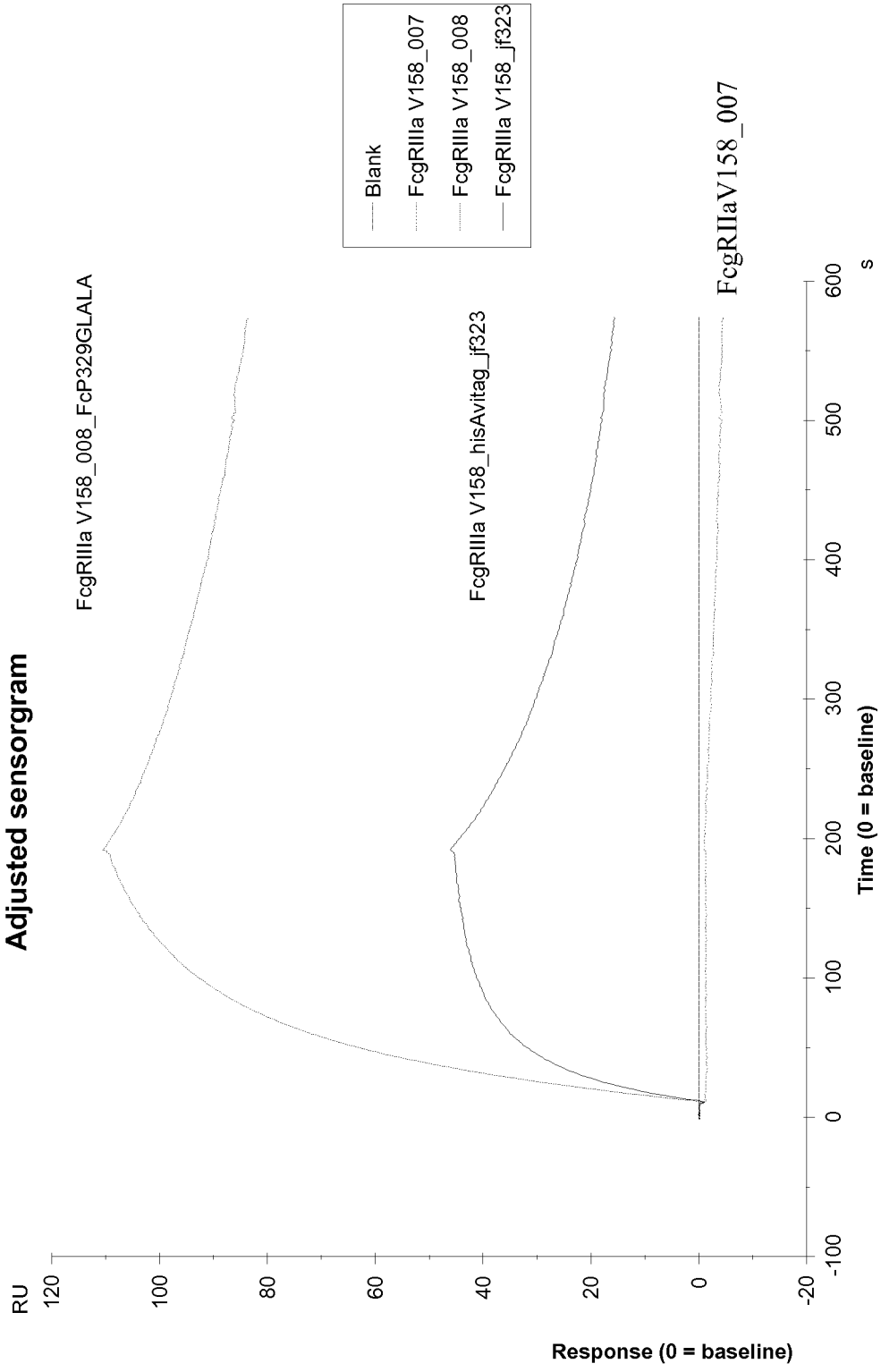

Adjusted sensorgram
RU
120
100
80
60
40
20
0
-20
-100
0
100
200
300
400
500
600
s
Time (0 = baseline)
Response (0 = baseline)
Blank
FcgRIIIa V158_007
FcgRIIIa V158_008
FcgRIIIa V158_jf323
FcgRIIIa V158_008_FcP329GLALA
FcgRIIIa V158_hisAvitag_jf323
FcgRIIaV158_007

Fig. 7a

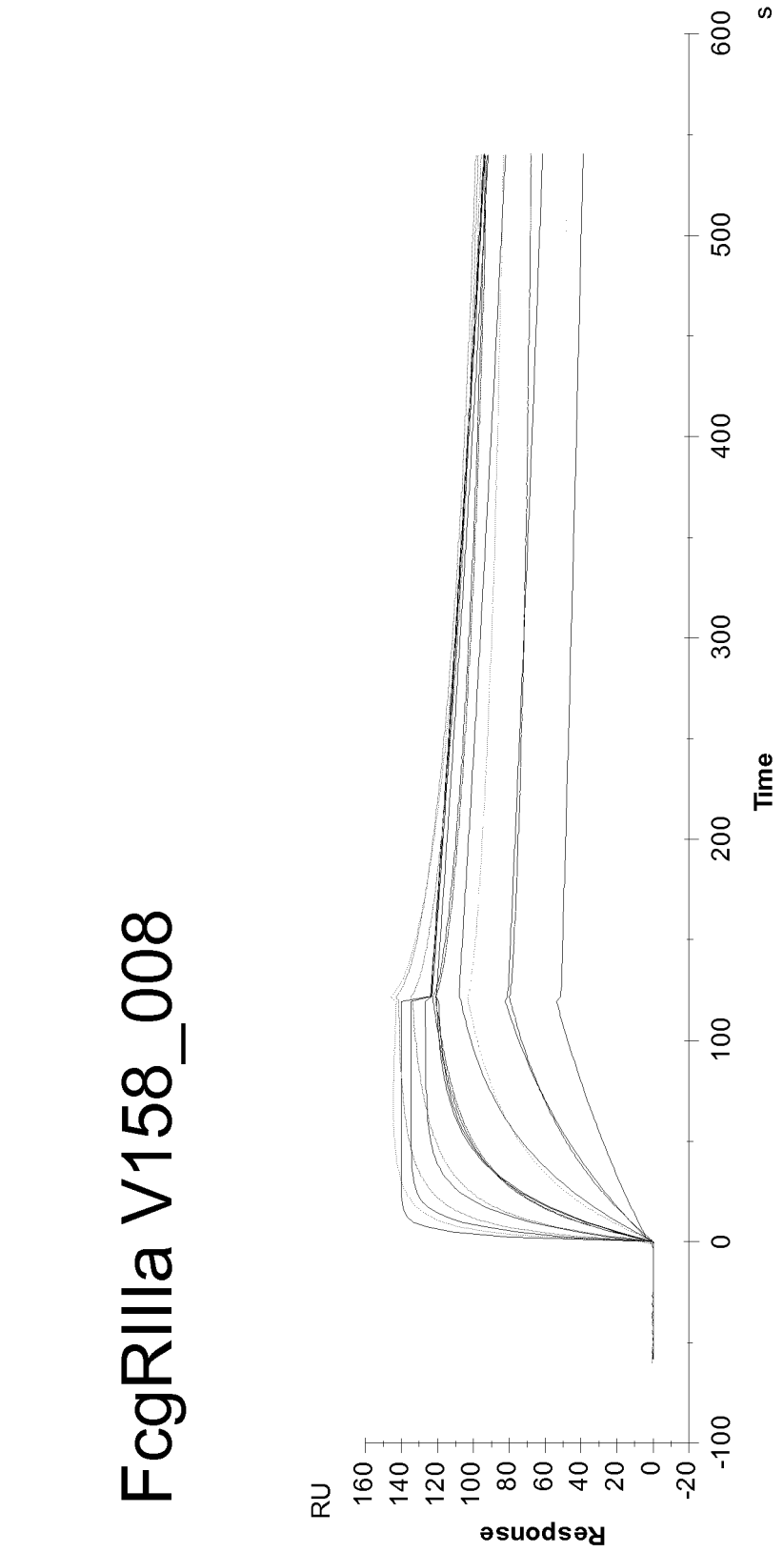

FcgRIIIa V158_008
RU
160
140
120
100
80
60
40
20
0
-20
Response
-100
0
100
200
300
400
500
600
s
Time
ka (1/Ms)
5.961E+5
kd (1/s)
6.535E-4
KD (M)
1.096E-9

Fig. 7b

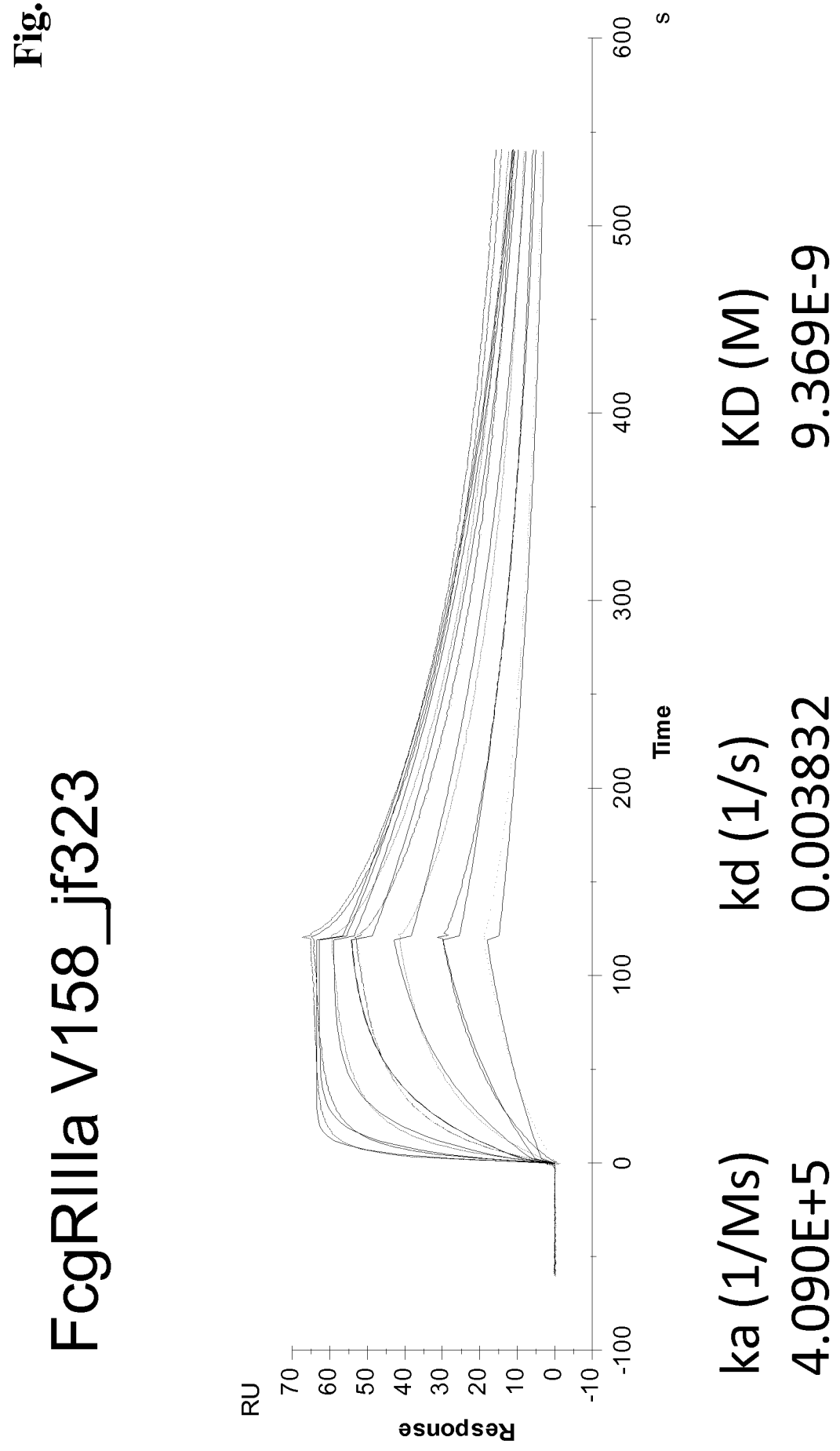

FcgRIIIa V158_jf323
Response
RU
70
60
50
40
30
20
10
0
-10
-100
0
100
200
300
400
500
600
Time
s
ka (1/Ms)
4.090E+5
kd (1/s)
0.003832
KD (M)
9.369E-9

Fig. 7c

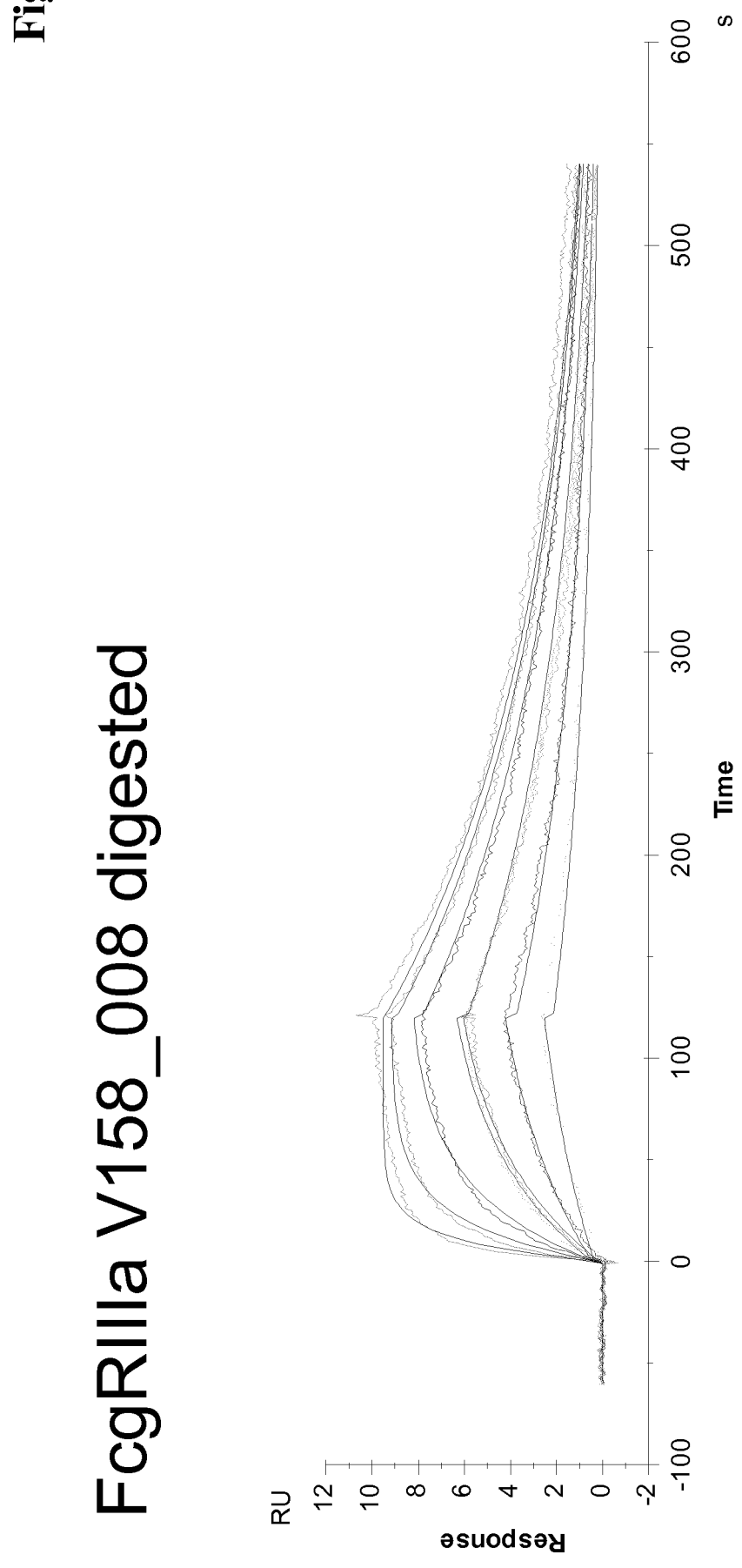
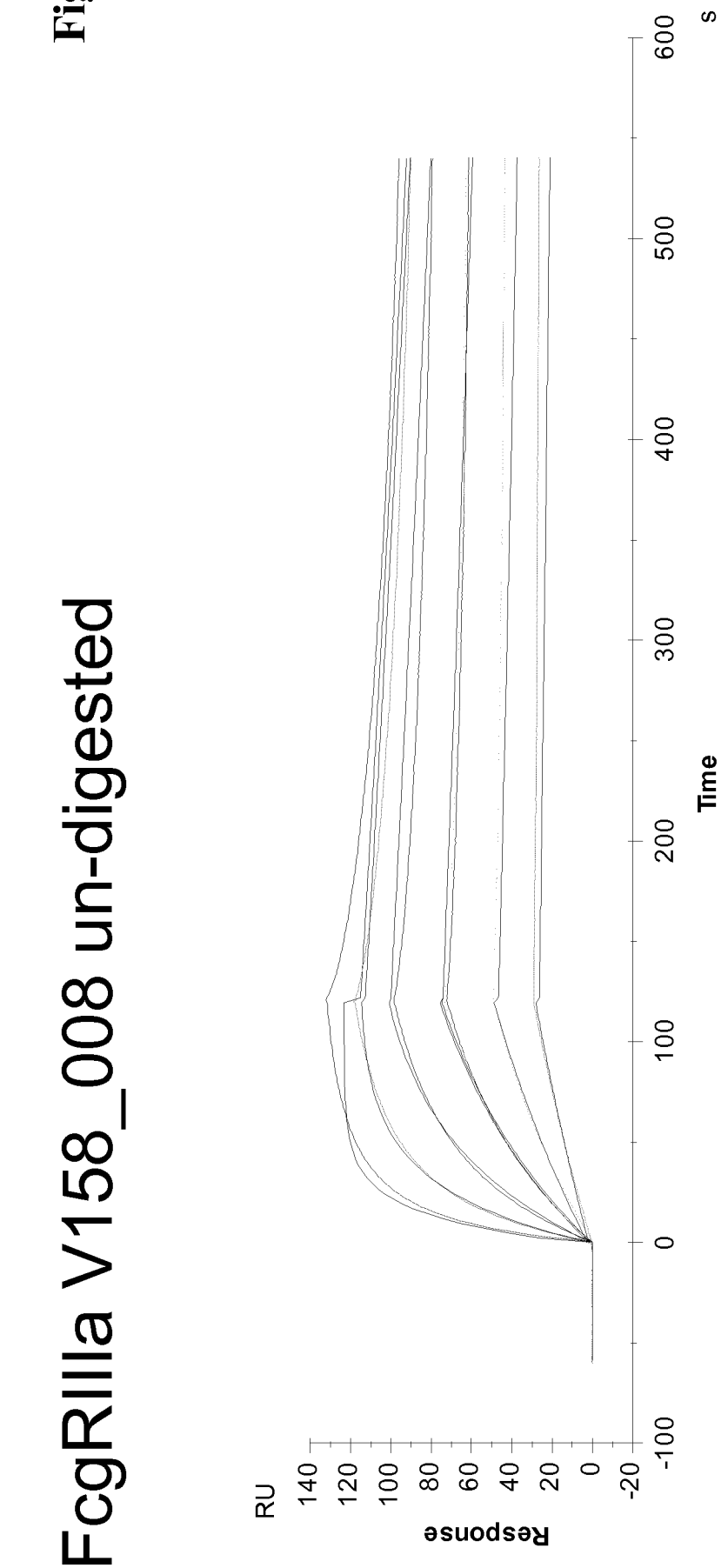

FcgRIIIa V158_008 digested
RU
Response
12
10
8
6
4
2
0
-2
-100
0
100
200
300
400
500
600
Time
s
ka (1/Ms)
3.595E+5
kd (1/s)
0.005281
KD (M)
1.469E-8

Fig. 7d


FcgRIIIa V158_008 un-digested
Response
RU
140
120
100
80
60
40
20
0
-20
-100
0
100
200
300
400
500
600
Time
s
ka (1/Ms)
2.846E+5
kd (1/s)
5.276E-4
KD (M)
1.854E-9