Fig. 1

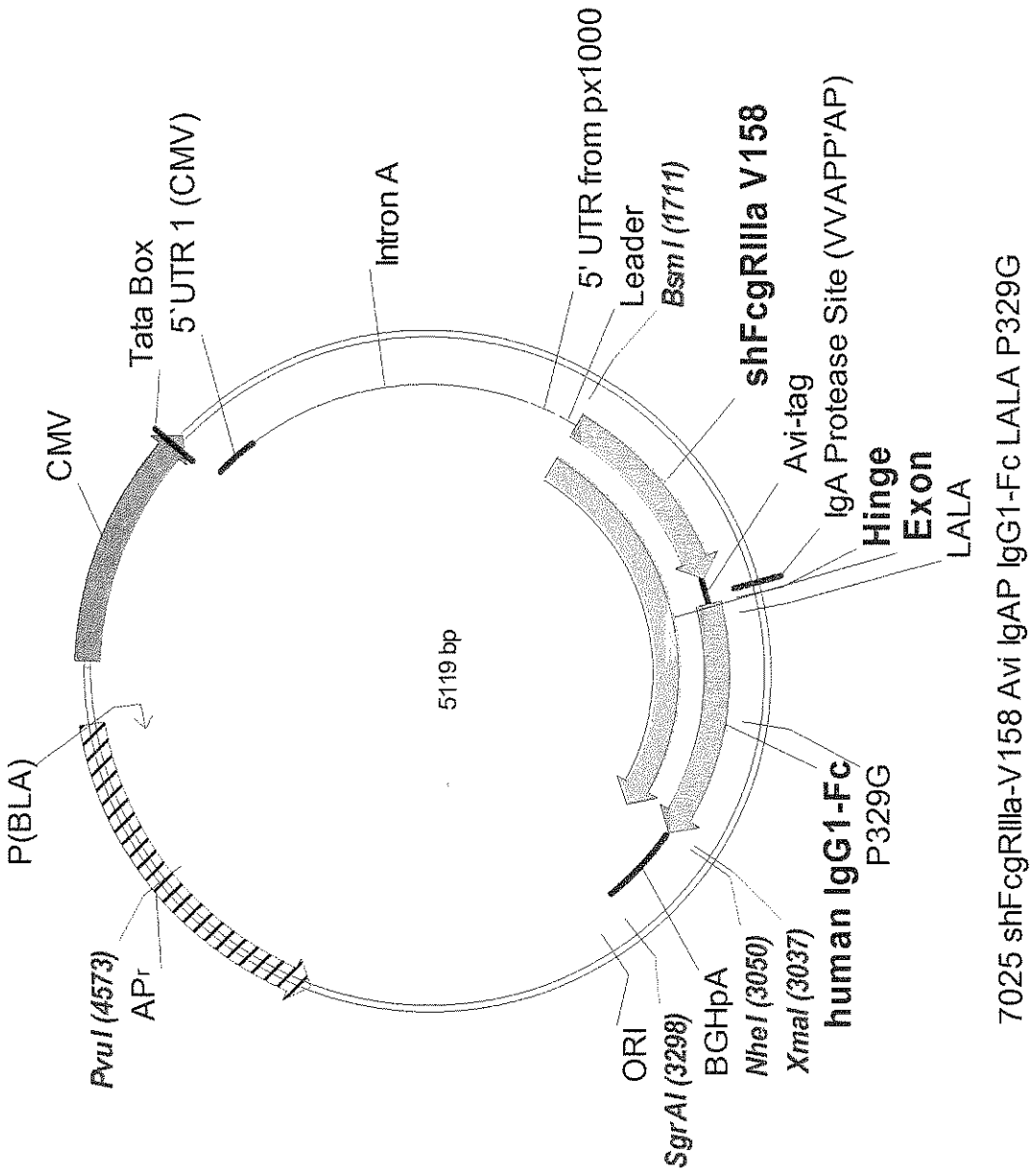

CMV
Tata Box
5'UTR 1 (CMV)
Intron A
5' UTR from px1000
Leader
BsmI (1711)
shFcgRIIIa V158
Avi-tag
IgA Protease Site (VVAPP'AP)
Hinge
Exon
LALA
P329G
human IgG1-Fc
XmaI (3037)
NheI (3050)
BGHpA
SgrAI (3298)
ORI
APr
PvuI (4573)
P(BLA)
5119 bp
7025 shFcgRIIIa-V158 Avi IgAP IgG1-Fc LALA P329G

Fig. 2

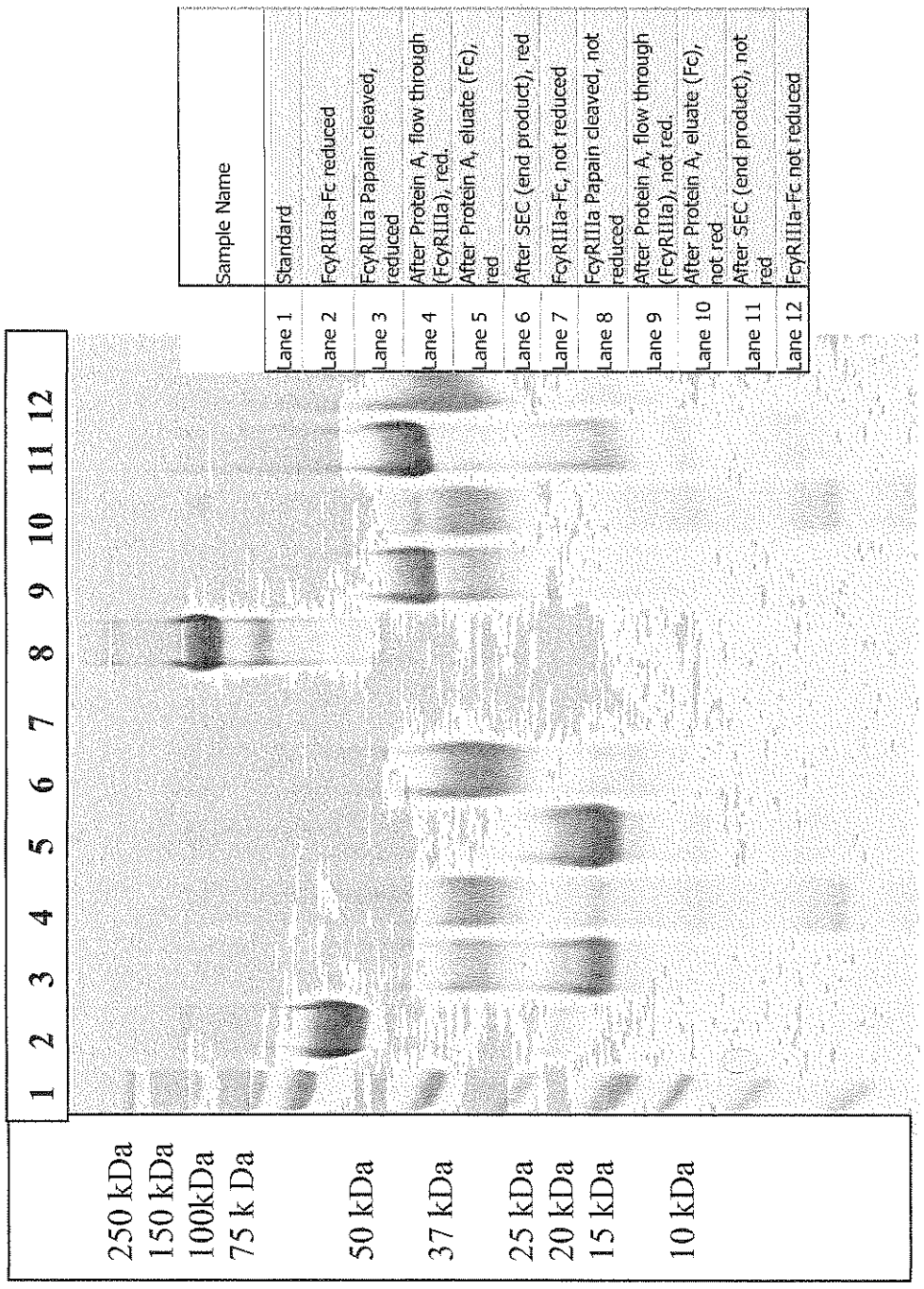

1 2 3 4 5 6 7 8 9 10 11 12
250 kDa
150 kDa
100kDa
75 k Da
50 kDa
37 kDa
25 kDa
20 kDa
15 kDa
10 kDa
Sample Name
Lane 1 Standard
Lane 2 FcγRIIIa-Fc reduced
Lane 3 FcγRIIIa Papain cleaved, reduced
Lane 4 After Protein A, flow through (FcγRIIIa), red.
Lane 5 After Protein A, eluate (Fc), red
Lane 6 After 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

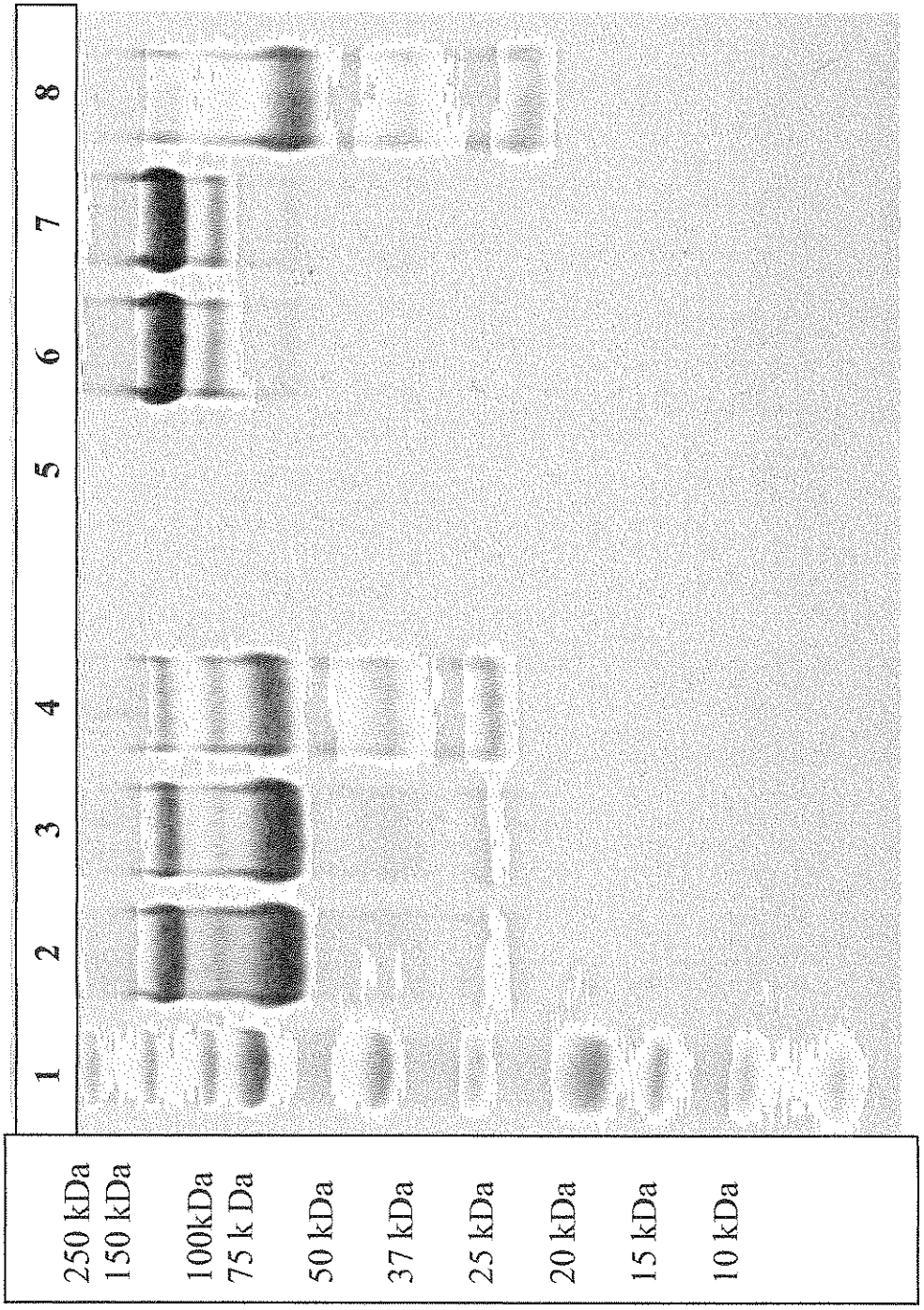

1
2
3
4
5
6
7
8
250 kDa
150 kDa
100kDa
75 k Da
50 kDa
37 kDa
25 kDa
20 kDa
15 kDa
10 kDa

Fig. 4

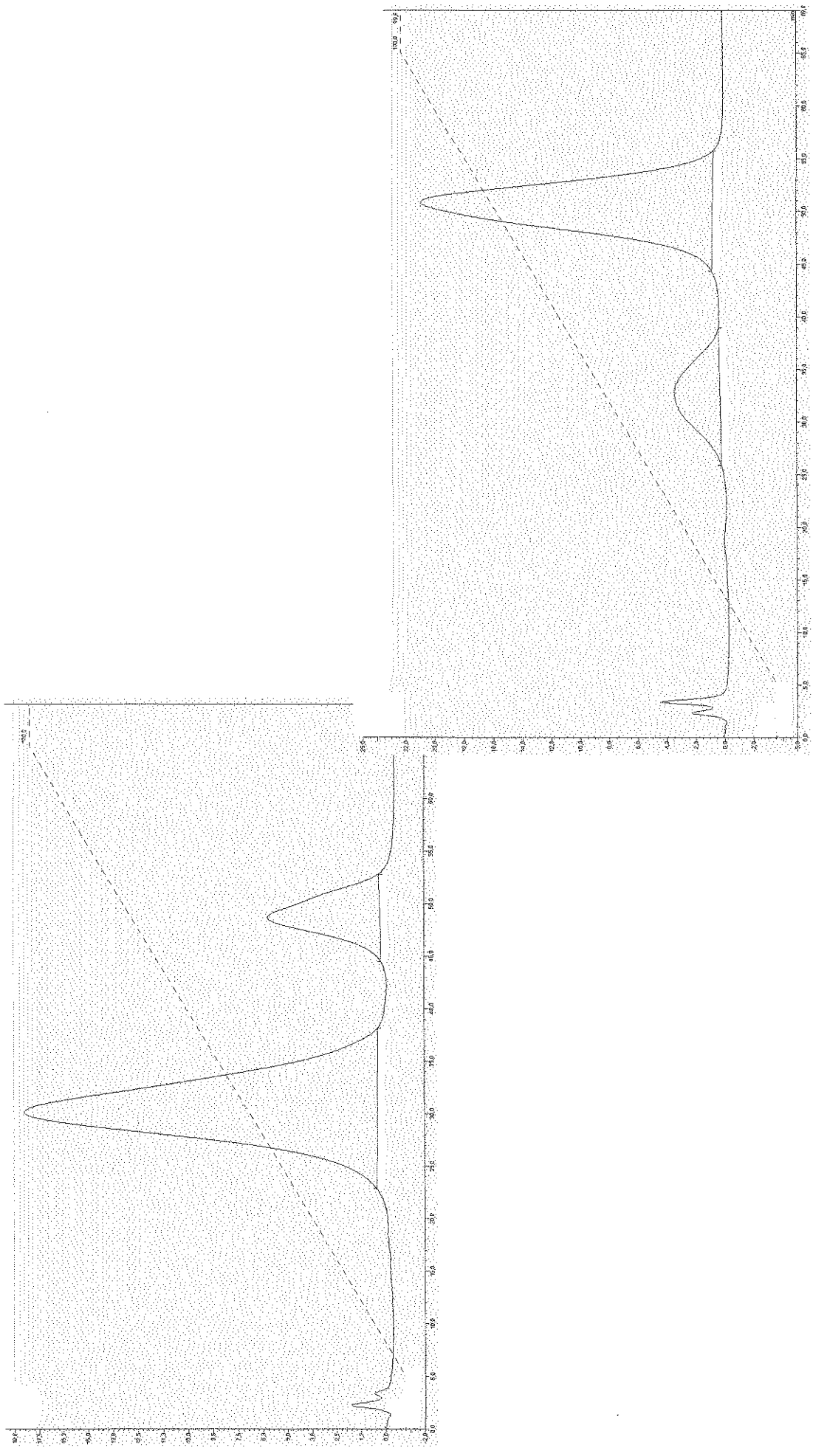


Fig. 5

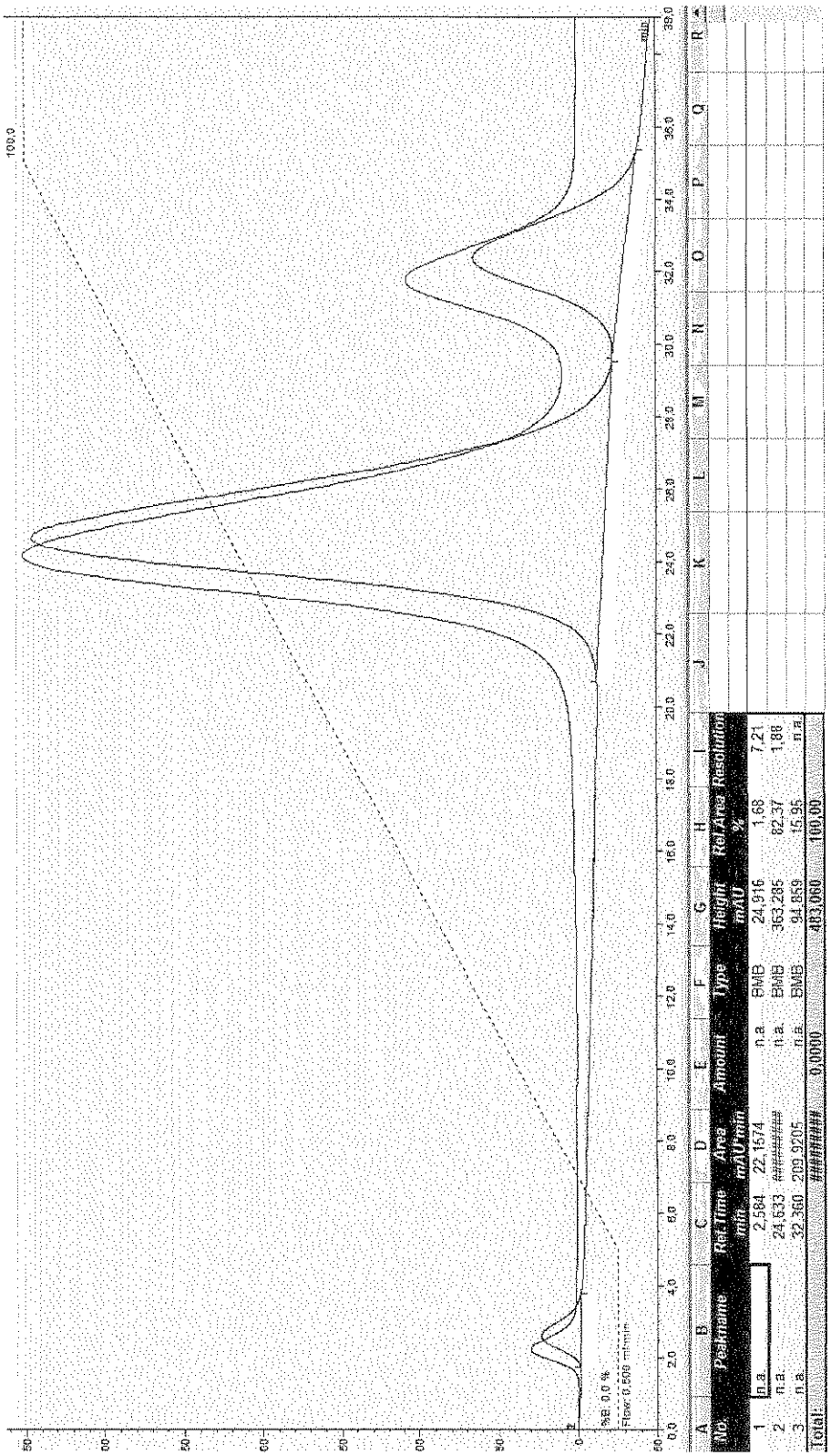

100.0
%B: 0.0 %
Flow: 0.500 ml/min
min
A B C D E F G H I J K L M N O P Q R
No. Peakname Ret.Time min Area mAU*min Amount Type Height mAU Rel.Area % Resolution
1 n.a. 2.584 22.1574 n.a. BMB 24.916 1.68 7.21
2 n.a. 24.633 ########## n.a. BMB 363.285 82.37 1.88
3 n.a. 32.360 209.9205 n.a. BMB 94.859 15.95 n.a.
Total: ########## 0.0000 483.060 100.00

Fig. 6

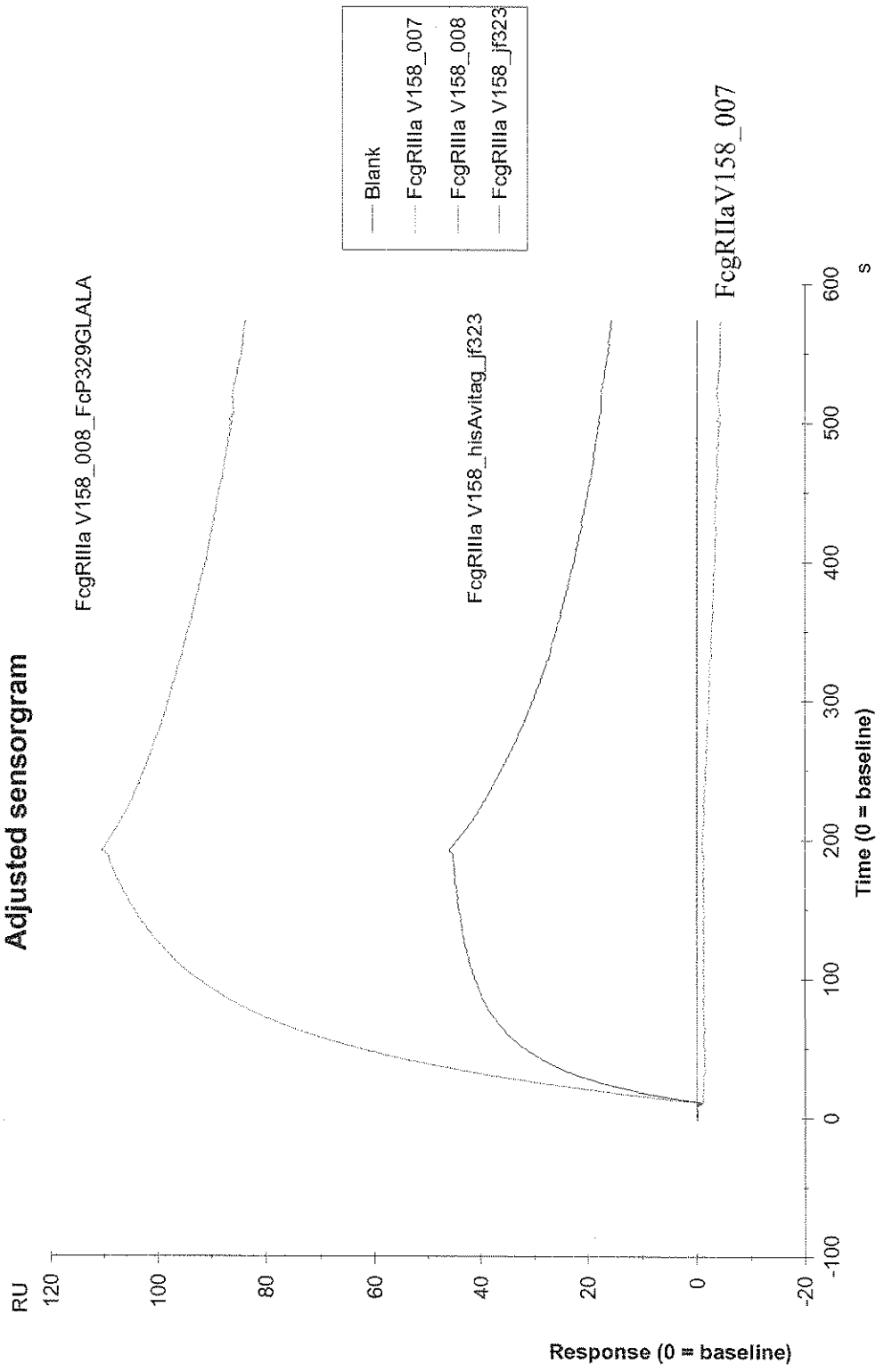

Adjusted sensorgram
Blank
FcgRIIIa V158_007
FcgRIIIa V158_008
FcgRIIIa V158_jf323
FcgRIIIa V158_008_FcP329GLALA
FcgRIIIa V158_hisAvitag_jf323
FcgRIIaV158_007
RU
120
100
80
60
40
20
0
-20
-100
0
100
200
300
400
500
600
s
Time (0 = baseline)
Response (0 = baseline)

Fig. 7a

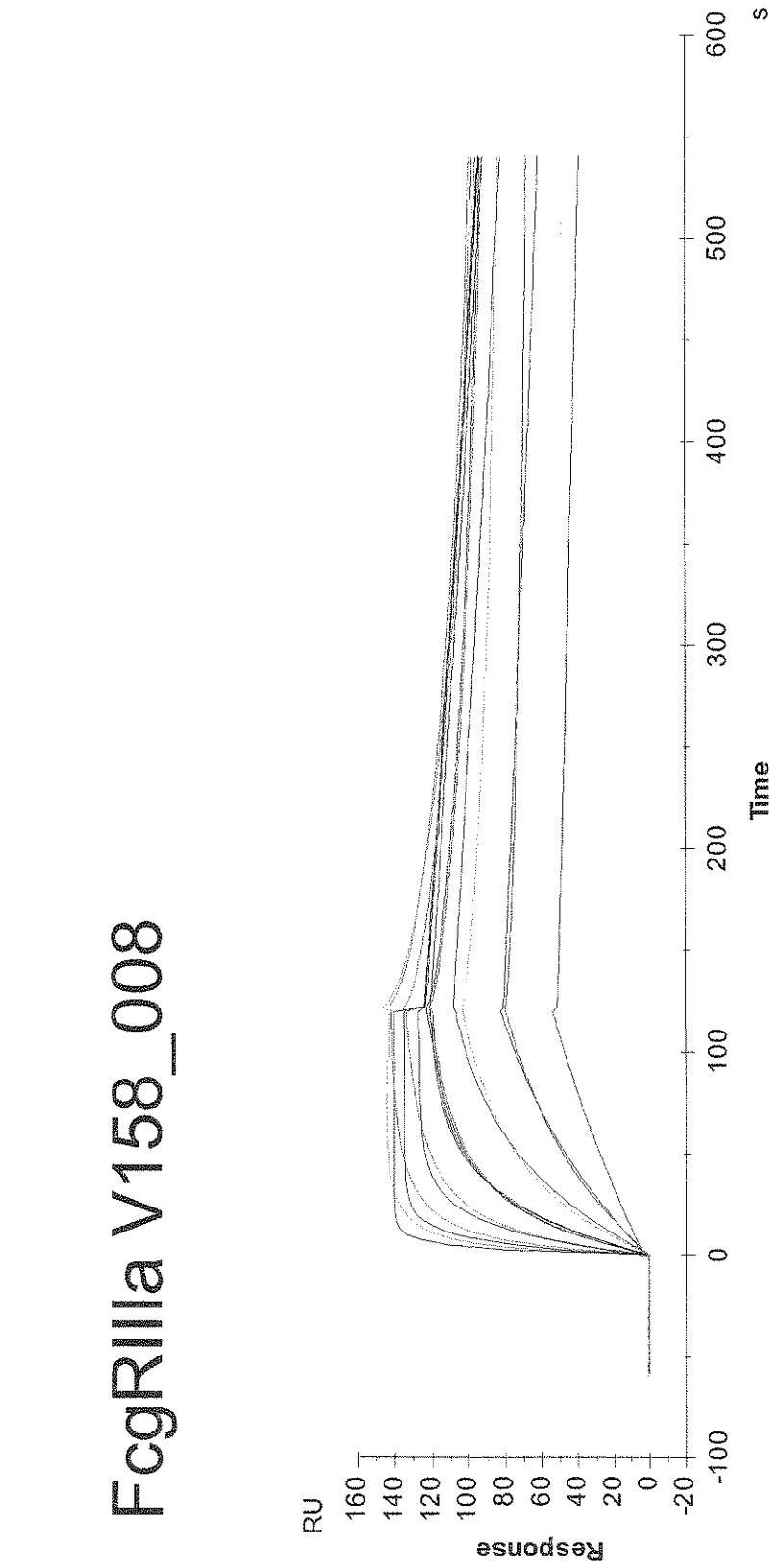

FcgRIIIa V158_008
RU
Response
160
140
120
100
80
60
40
20
0
-20
-100
0
100
200
300
400
500
600
Time
s
ka (1/Ms)
5.961E+5
kd (1/s)
6.535E-4
KD (M)
1.096E-9

Fig. 7b

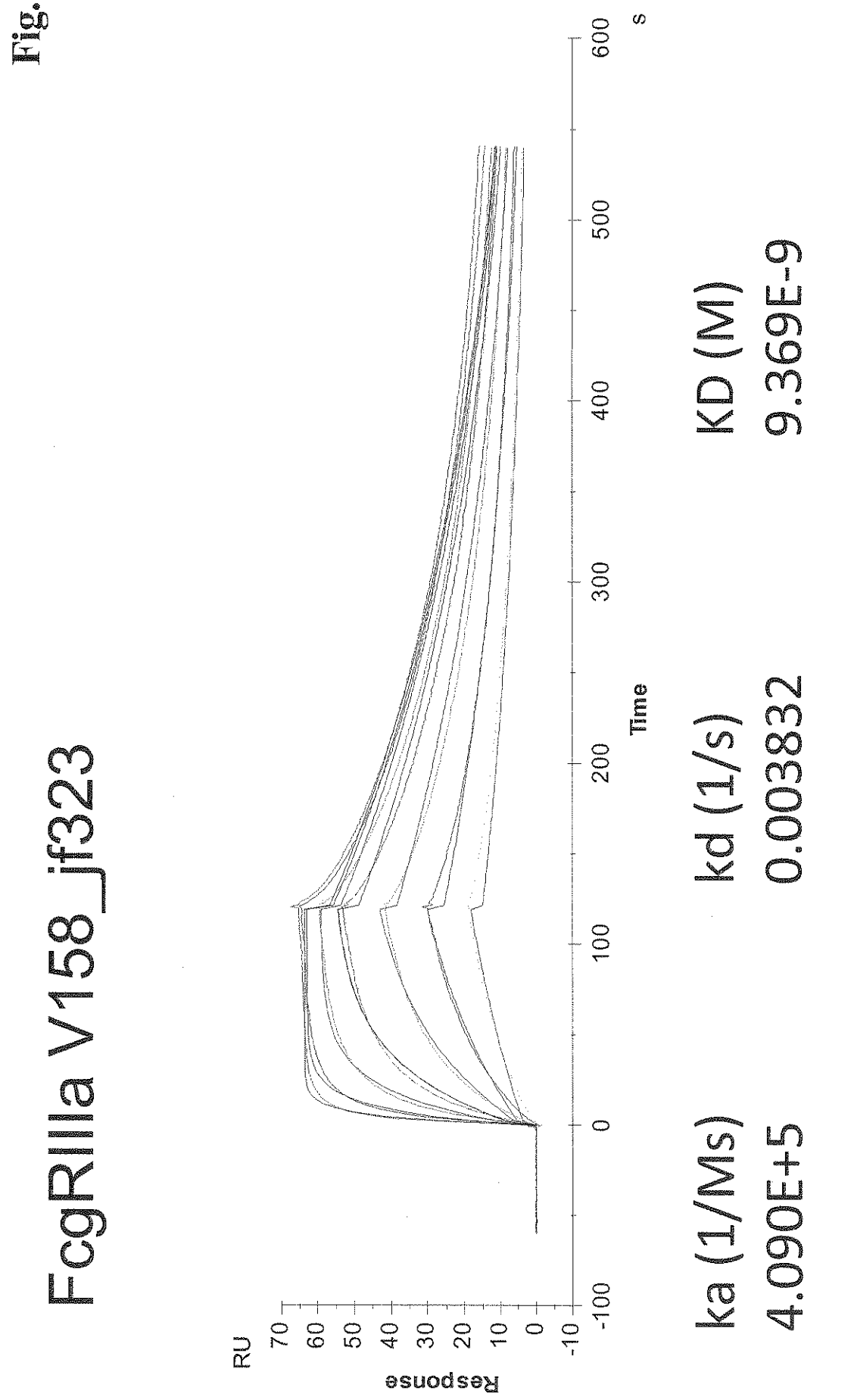

FcgRIIIa V158_jf323
Response
RU
70
60
50
40
30
20
10
0
-10
-100
0
100
200
300
400
500
600
s
Time
ka (1/Ms)
4.090E+5
kd (1/s)
0.003832
KD (M)
9.369E-9

Fig. 7c

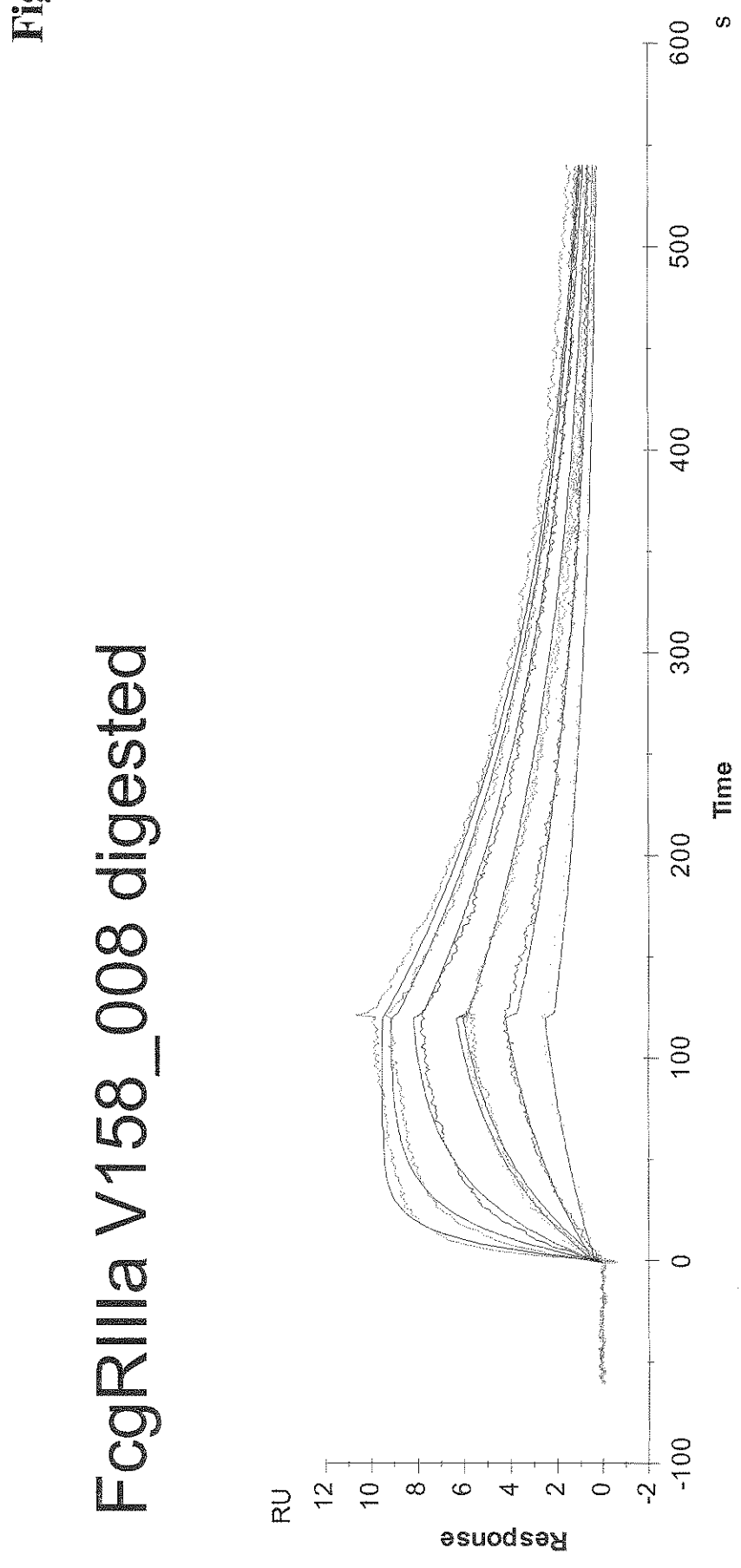
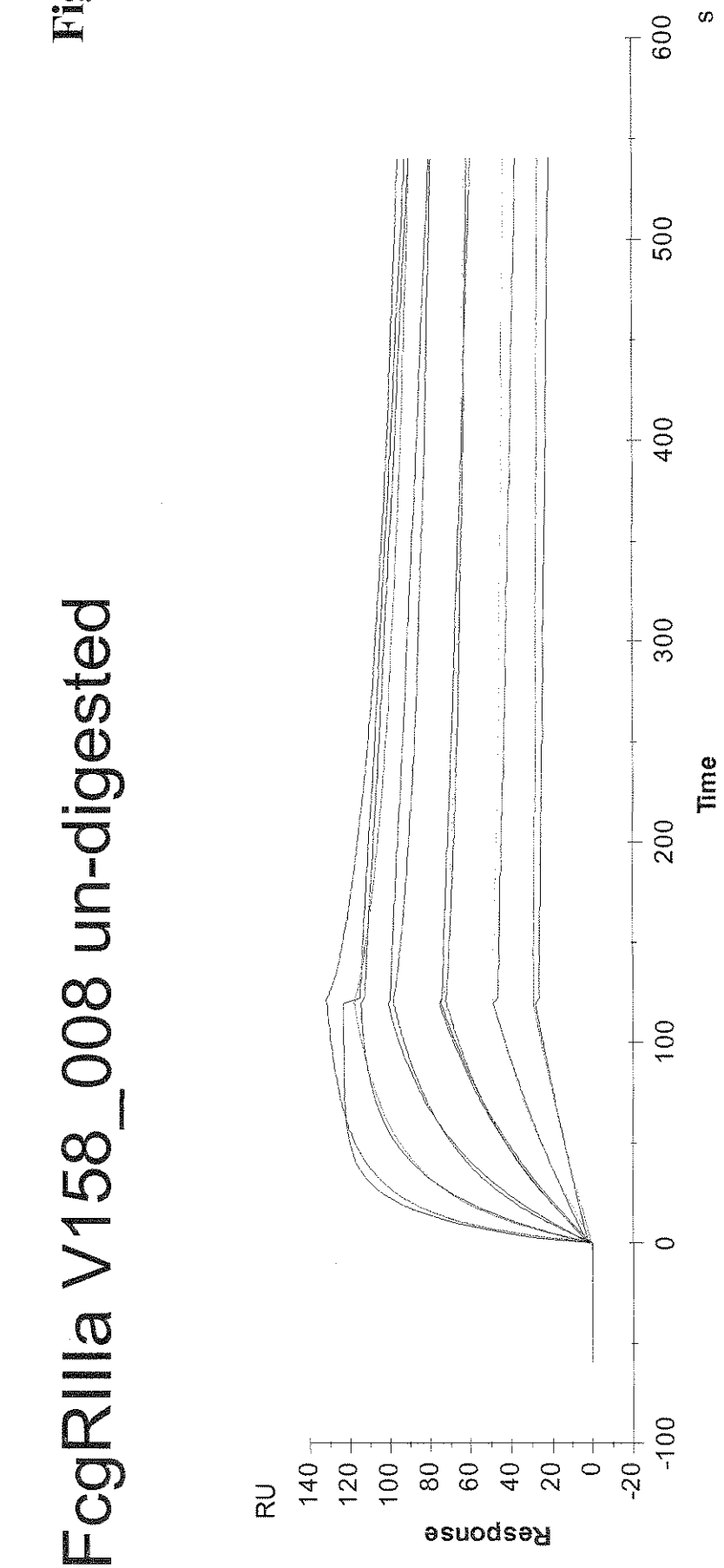

FcgRIIIa V158_008 digested
RU
Response
12
10
8
6
4
2
0
-2
-100
0
100
200
300
400
500
600
Time
s
ka (1/Ms)
3.595E+5
kd (1/s)
0.005281
KD (M)
1.469E-8

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