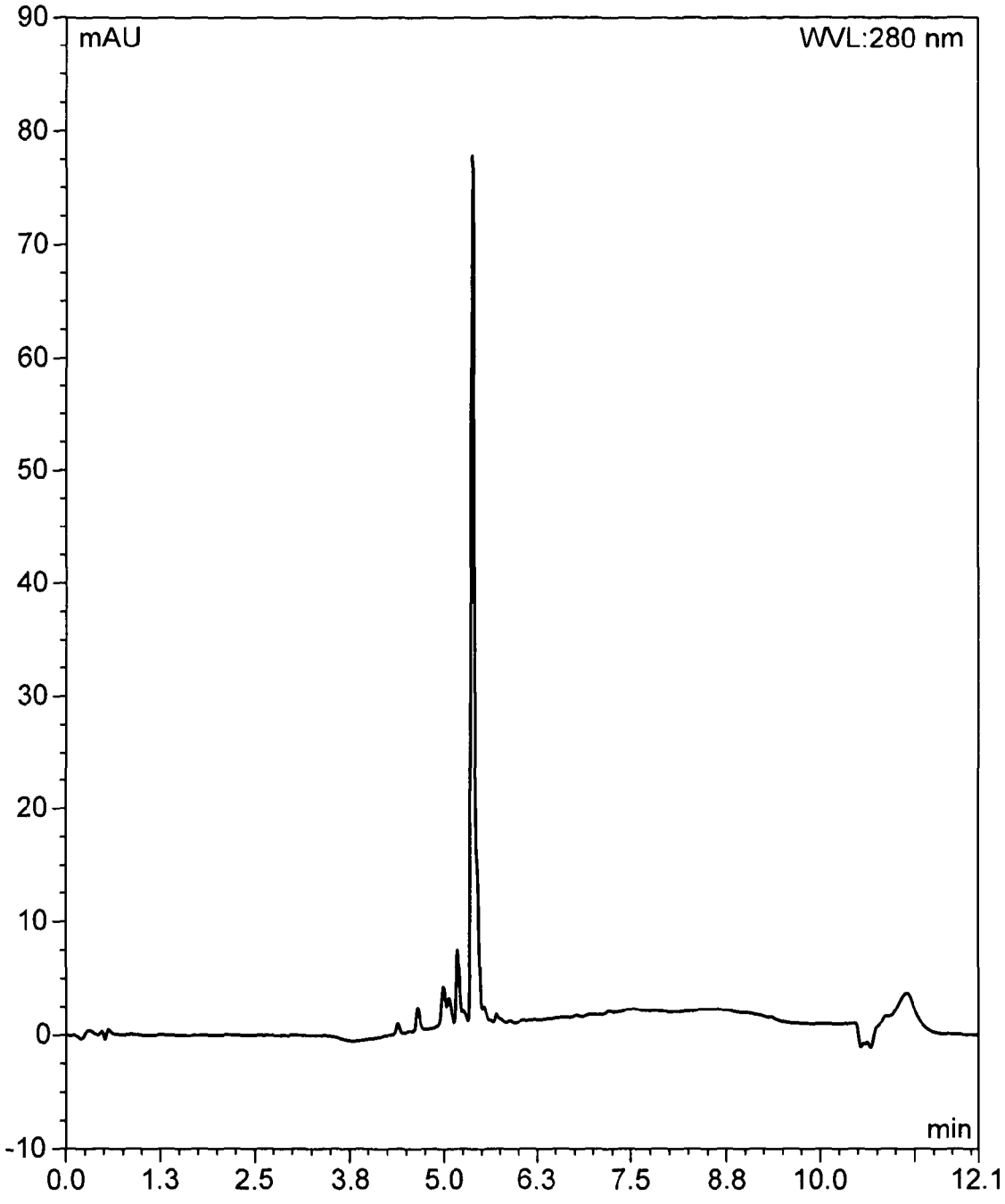

mAU
WVL:280 nm
min
90
80
70
60
50
40
30
20
10
0
-10
0.0
1.3
2.5
3.8
5.0
6.3
7.5
8.8
10.0
12.1

FIG. 1

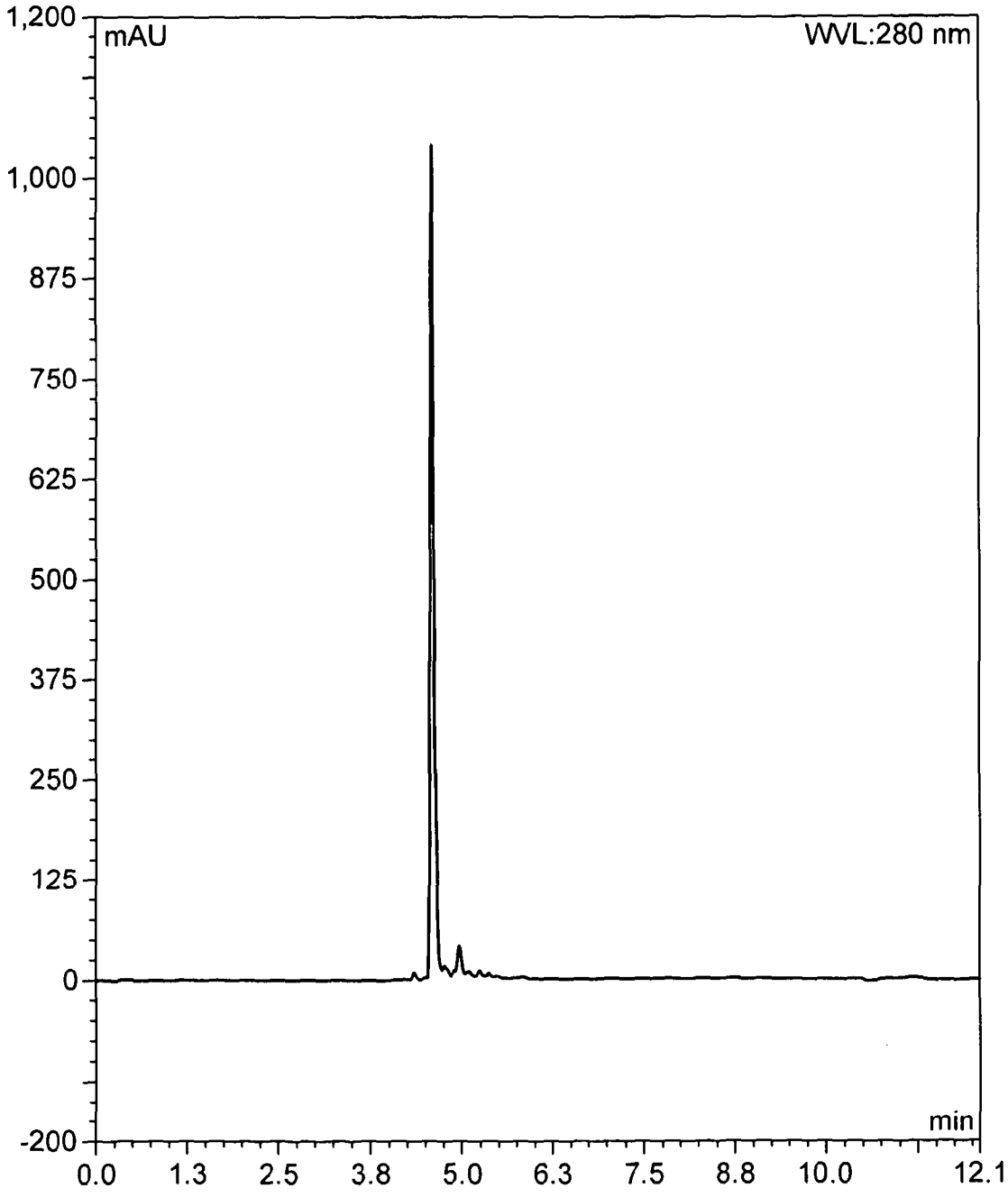

1,200
mAU
WVL:280 nm
1,000
875
750
625
500
375
250
125
0
-200
min
0.0
1.3
2.5
3.8
5.0
6.3
7.5
8.8
10.0
12.1

FIG. 2

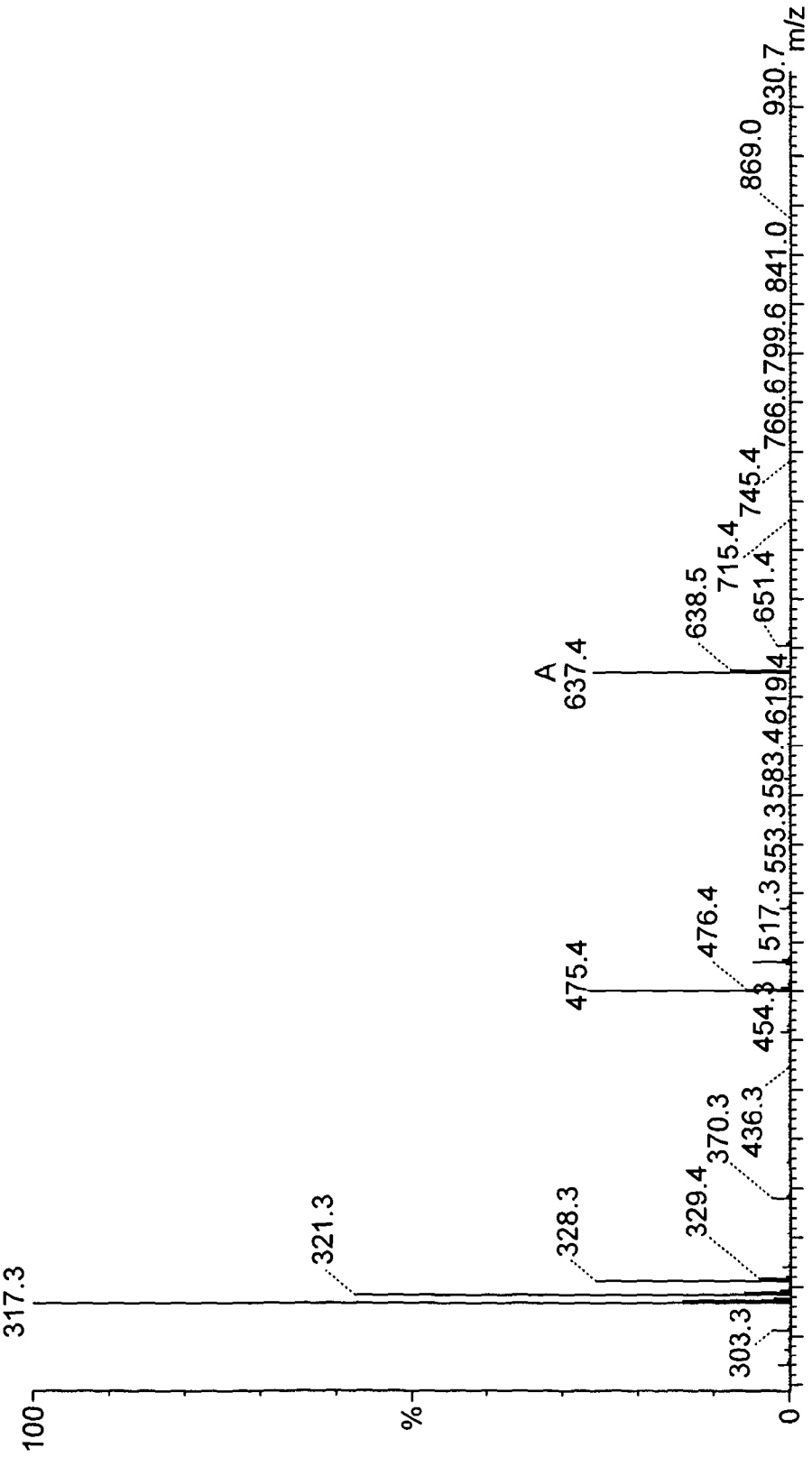

100
%
0
317.3
303.3
321.3
328.3
329.4
370.3
436.3
454.3
475.4
476.4
517.3
553.3
583.4
619.4
A
637.4
638.5
651.4
715.4
745.4
766.6
799.6
841.0
869.0
930.7
m/z
300
350
400
450
500
550
600
650
700
750
800
850
900

FIG. 3

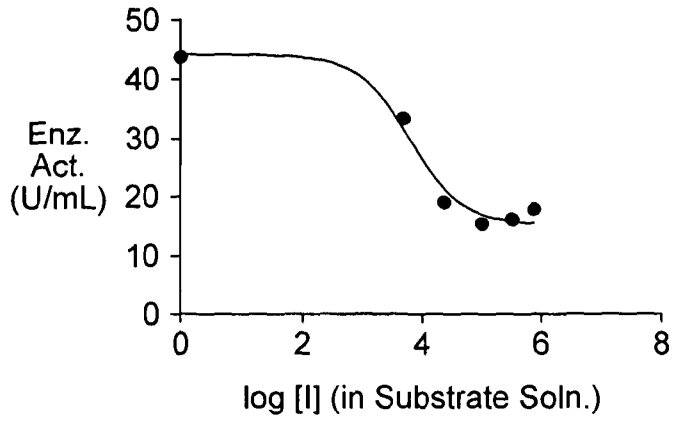

Enz. Act. (U/mL)
50
40
30
20
10
0
0
2
4
6
8
log [I] (in Substrate Soln.)

FIG. 4

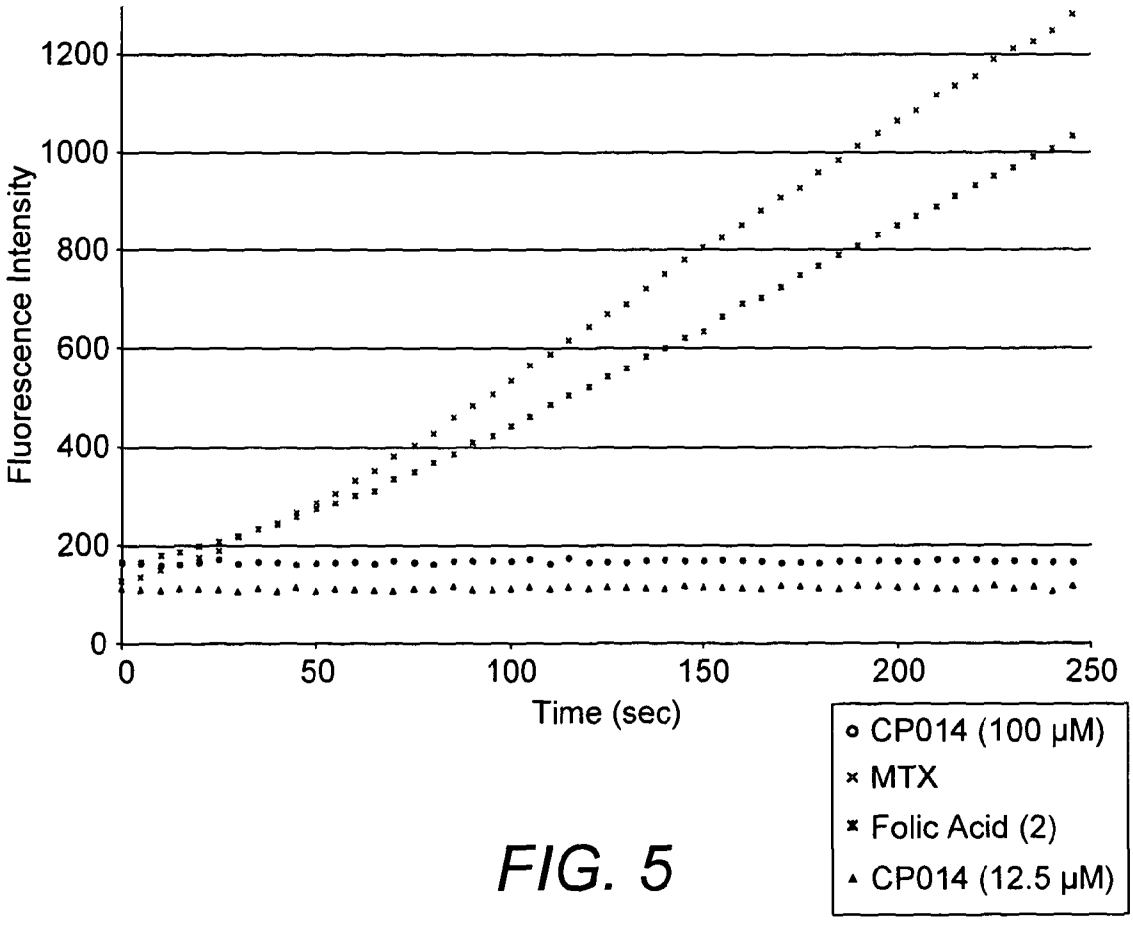

Fluorescence Intensity
1200
1000
800
600
400
200
0
0
50
100
150
200
250
Time (sec)
CP014 (100 µM)
MTX
Folic Acid (2)
CP014 (12.5 µM)

FIG. 5

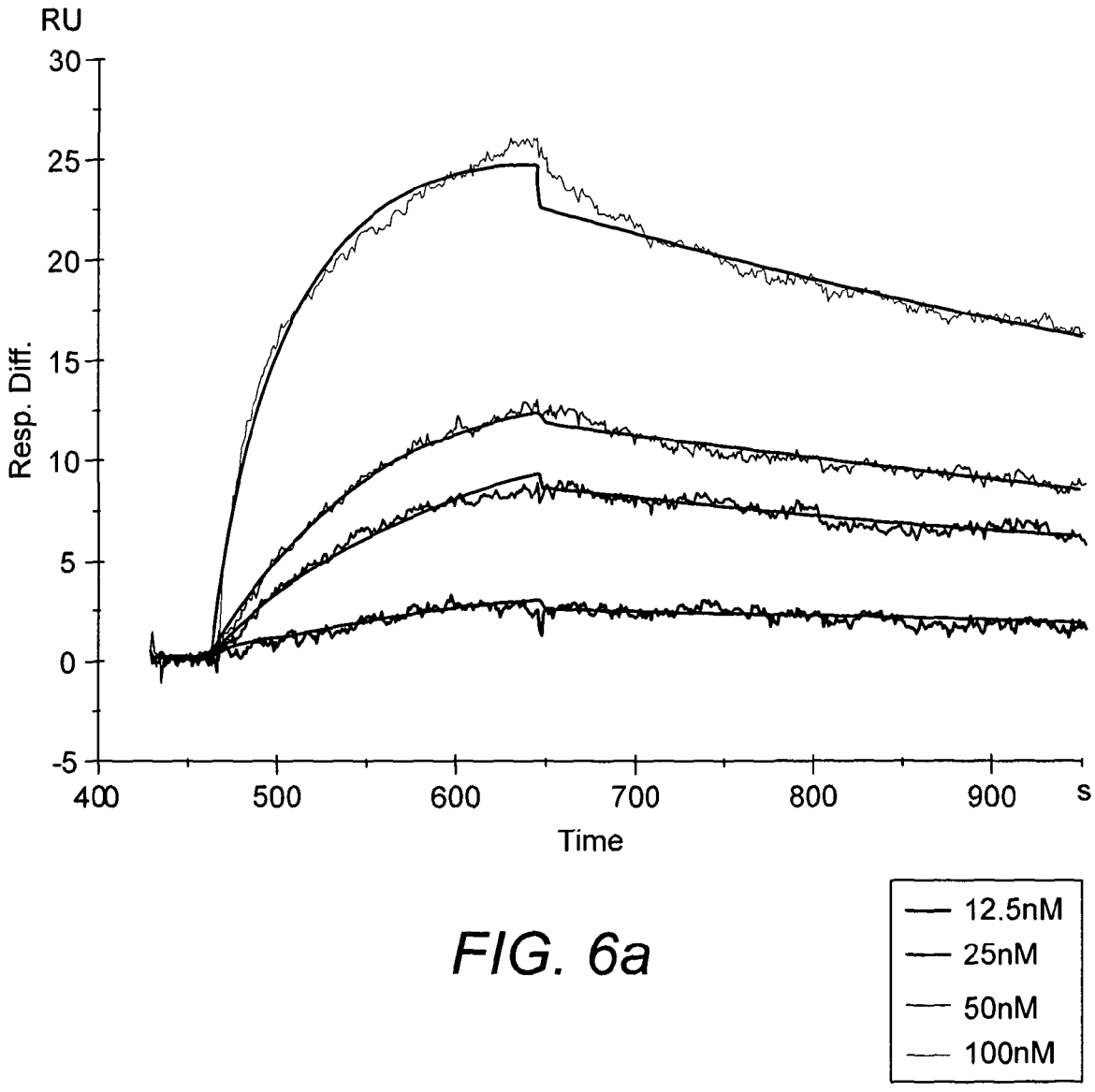

RU
30
25
20
15
10
5
0
-5
Resp. Diff.
400
500
600
700
800
900
s
Time
12.5nM
25nM
50nM
100nM

FIG. 6a

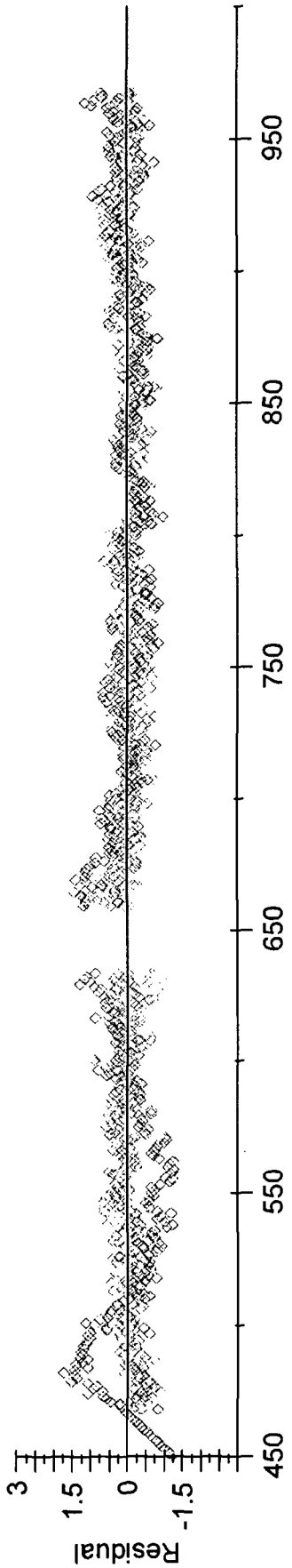


FIG. 6b

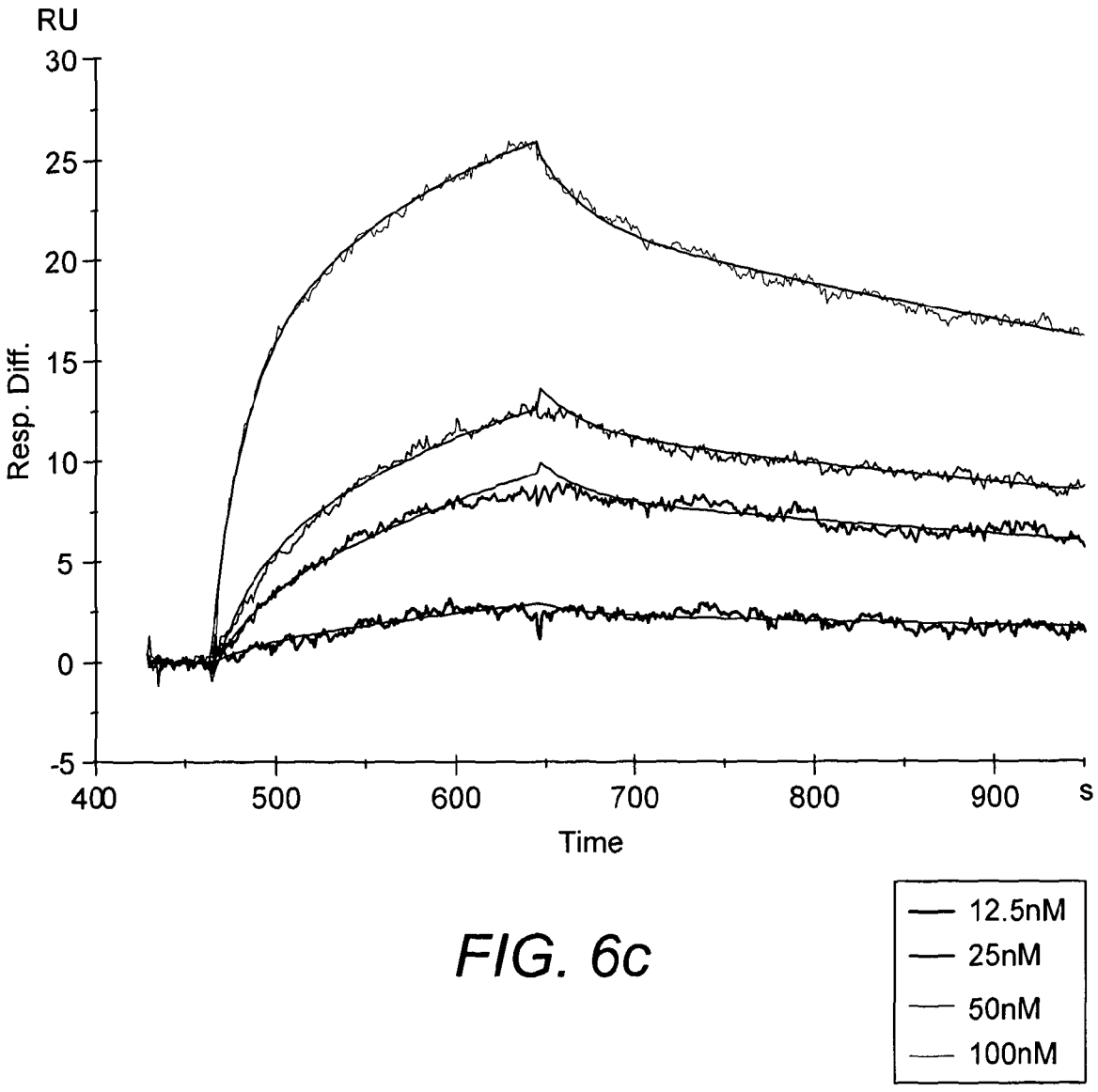

RU
30
25
20
15
10
5
0
-5
Resp. Diff.
400
500
600
700
800
900
s
Time
12.5nM
25nM
50nM
100nM

FIG. 6c

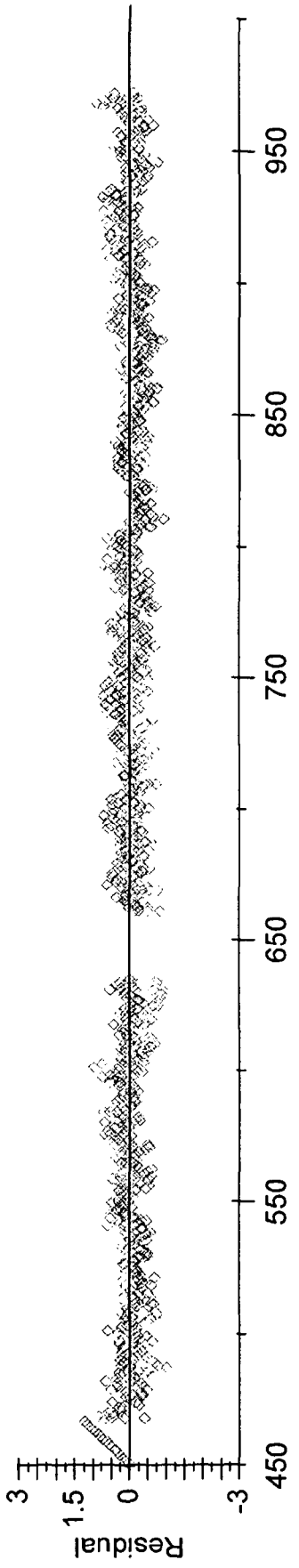


FIG. 6d

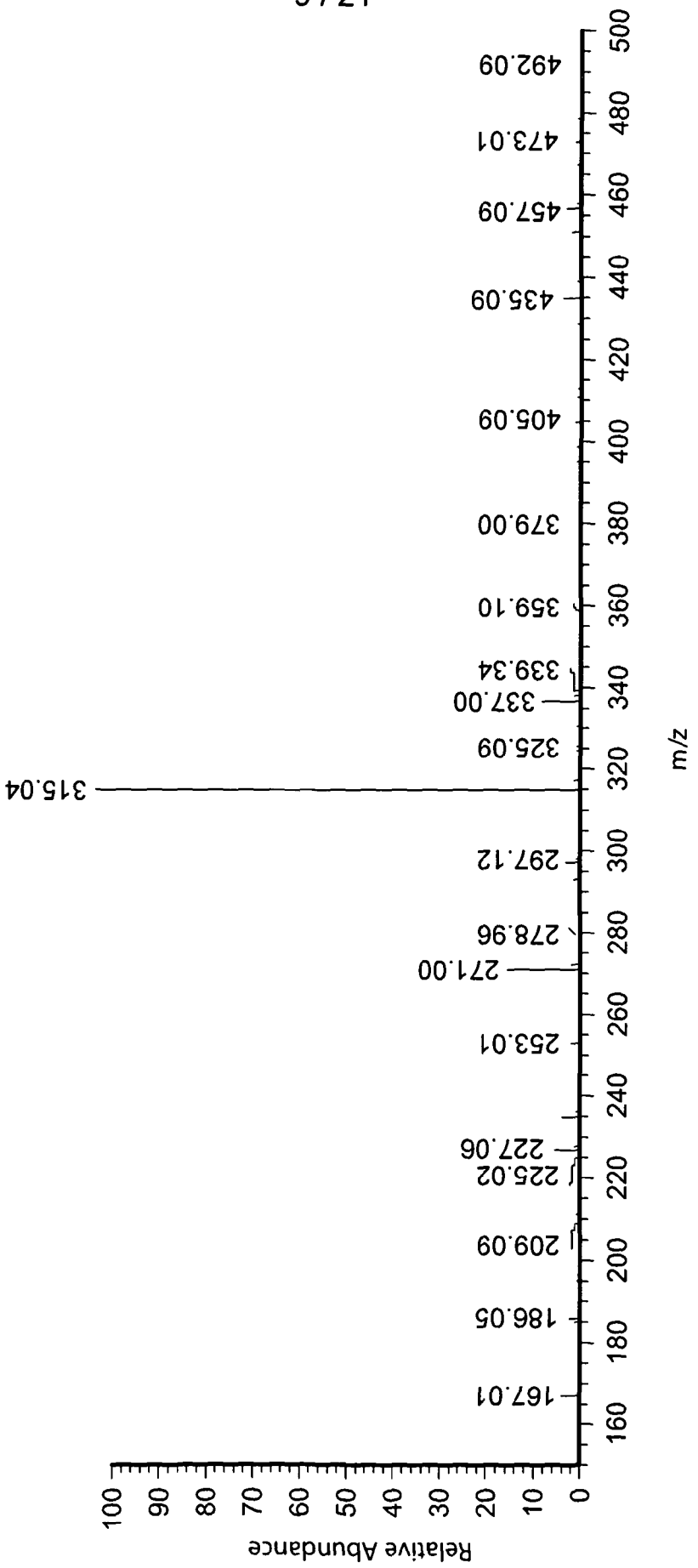

Relative Abundance
0
10
20
30
40
50
60
70
80
90
100
m/z
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
167.01
186.05
209.09
225.02
227.06
253.01
271.00
278.96
297.12
315.04
325.09
337.00
339.34
359.10
379.00
405.09
435.09
457.09
473.01
492.09

FIG. 7

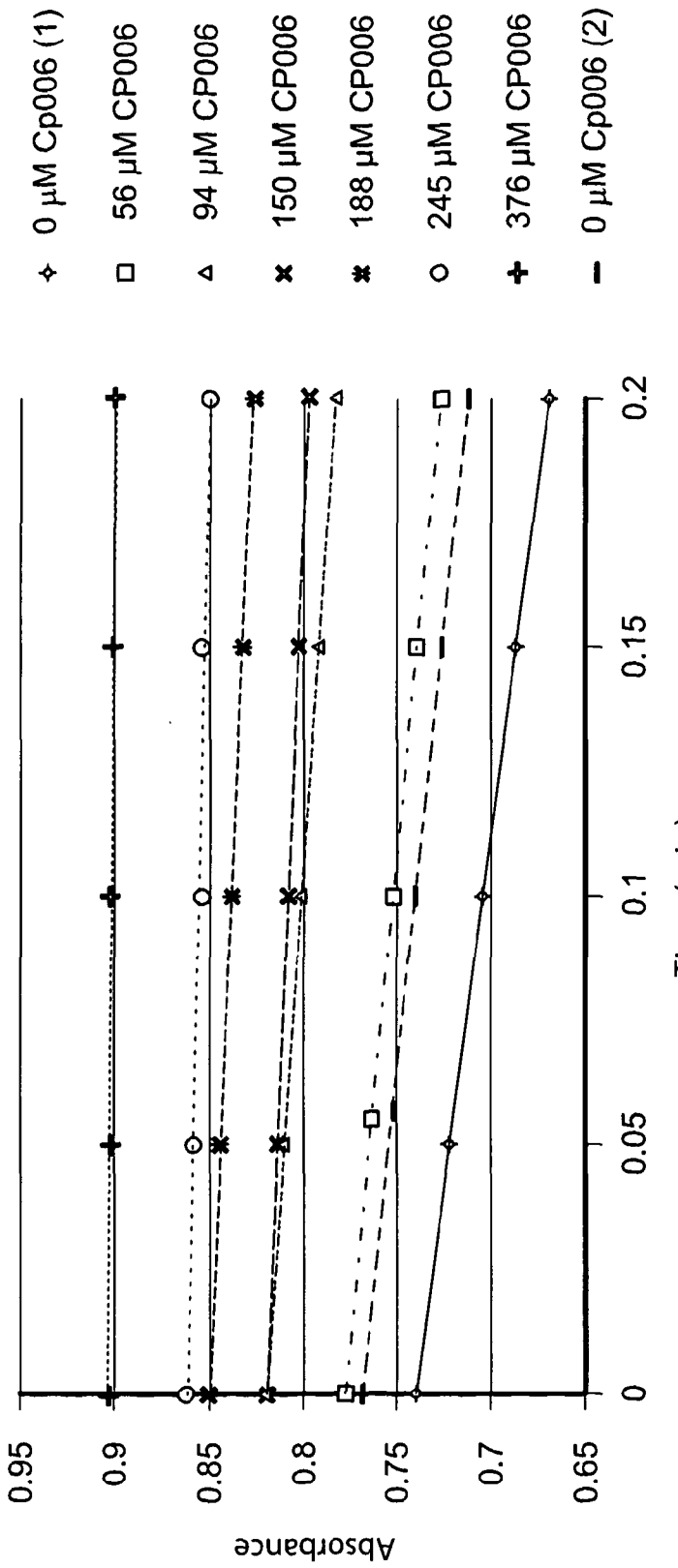

0 µM Cp006 (1)
56 µM CP006
94 µM CP006
150 µM CP006
188 µM CP006
245 µM CP006
376 µM CP006
0 µM Cp006 (2)
Absorbance
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0
0.05
0.1
0.15
0.2
Time (min)

FIG. 8

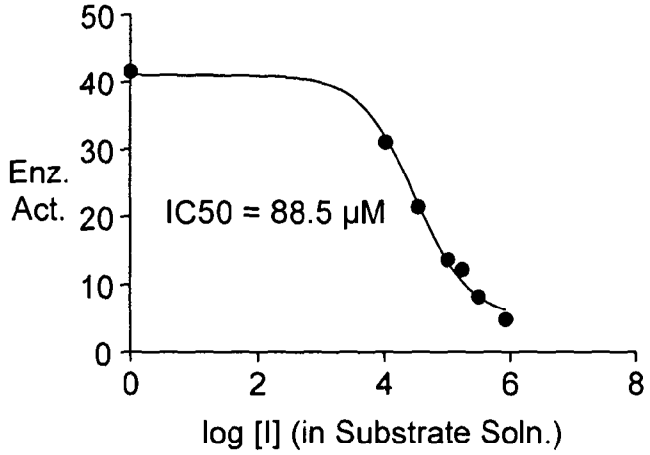

50
40
30
20
10
0
Enz.
Act.
IC50 = 88.5 µM
0
2
4
6
8
log [I] (in Substrate Soln.)

FIG. 9

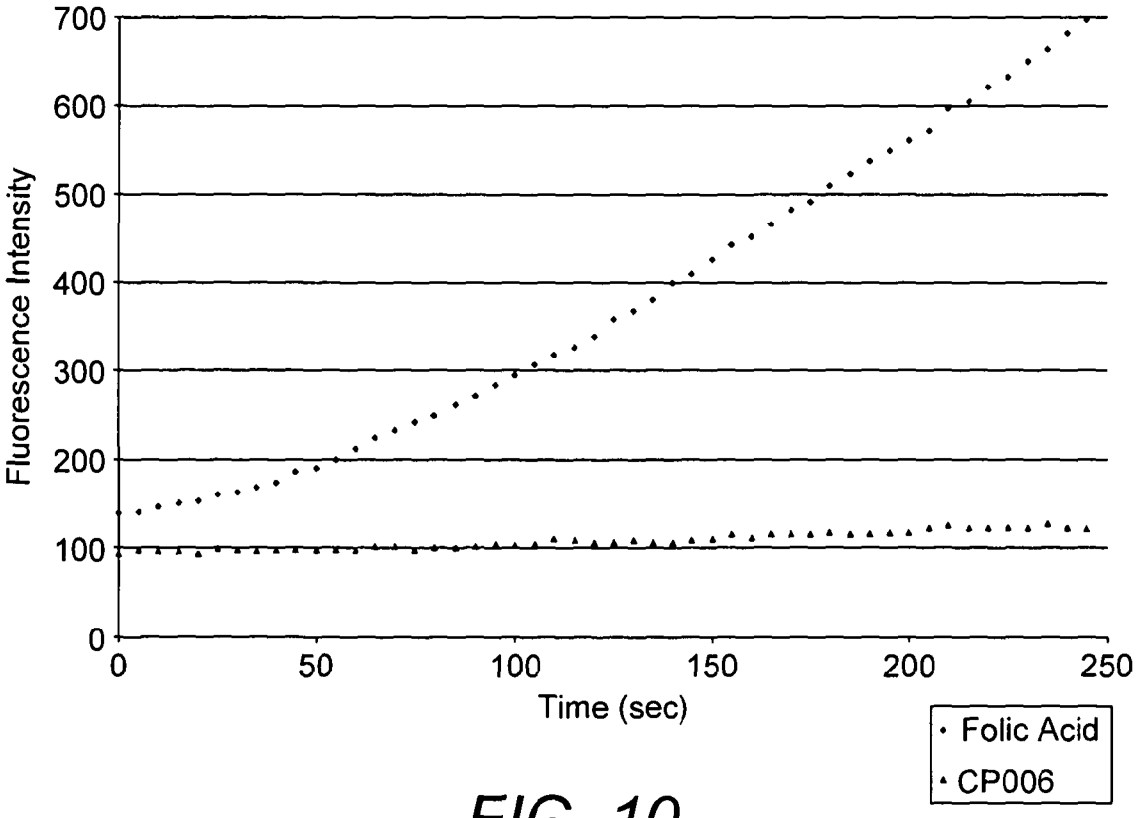

700
600
500
400
300
200
100
0
Fluorescence Intensity
0
50
100
150
200
250
Time (sec)
Folic Acid
CP006

FIG. 10

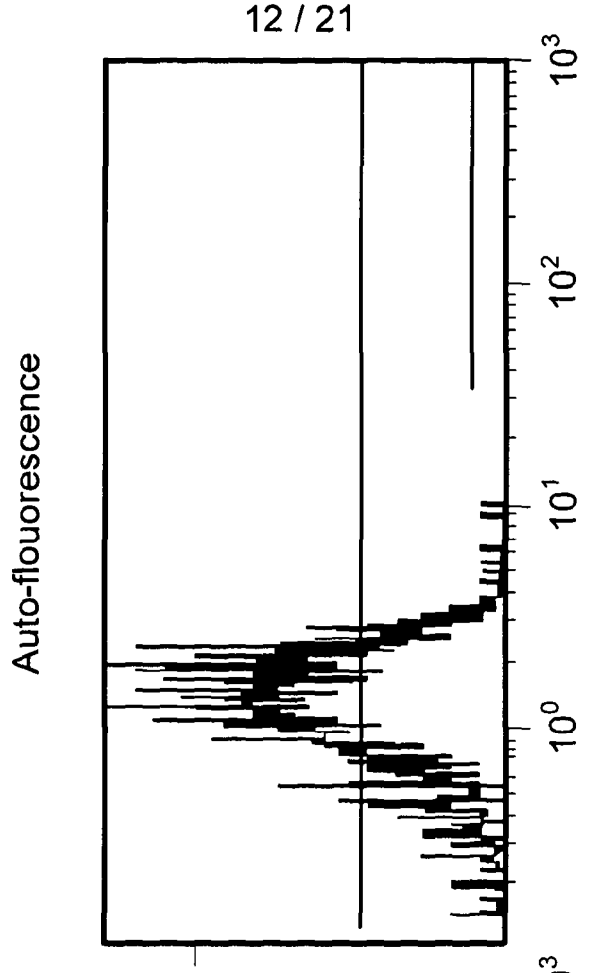


FIG. 11b

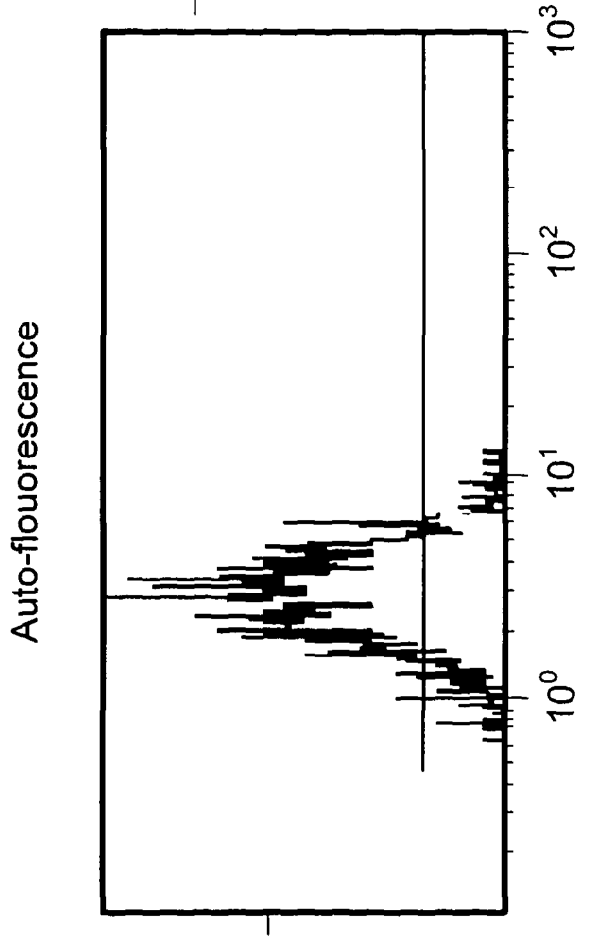


FIG. 11a

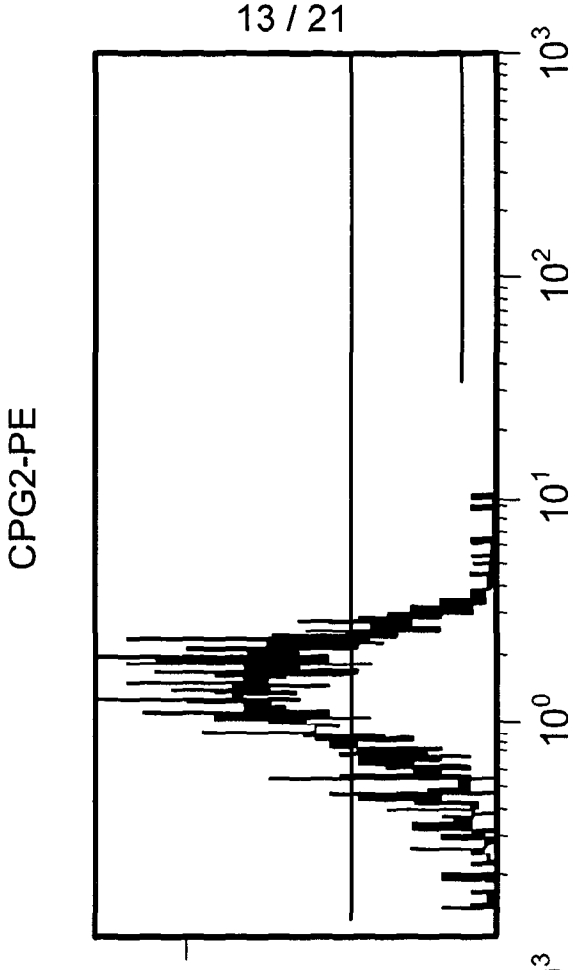


FIG. 11d

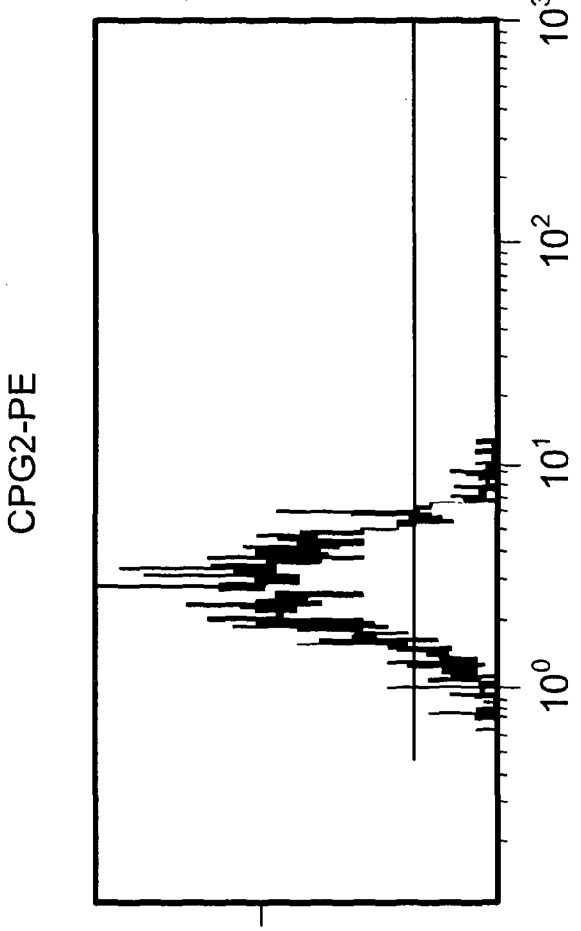


FIG. 11c

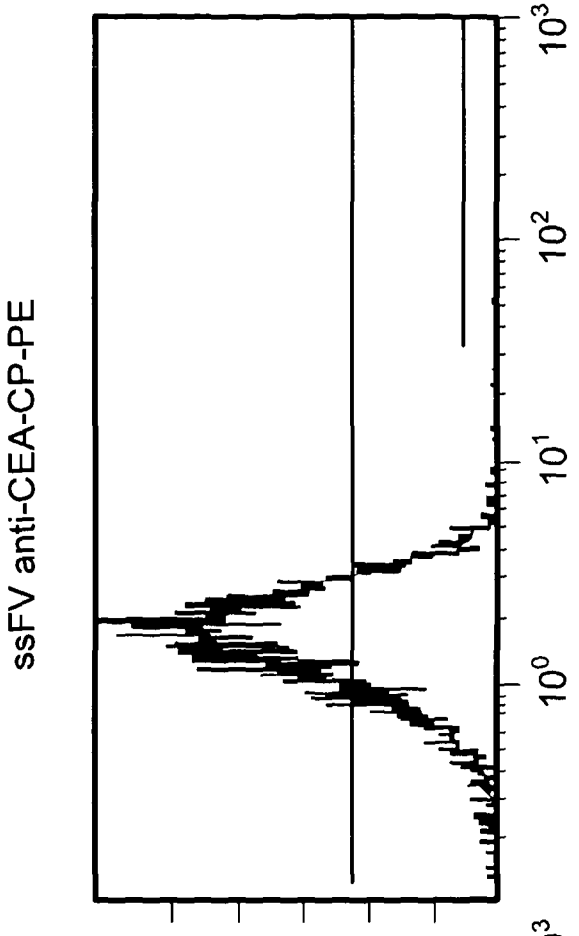


FIG. 11f

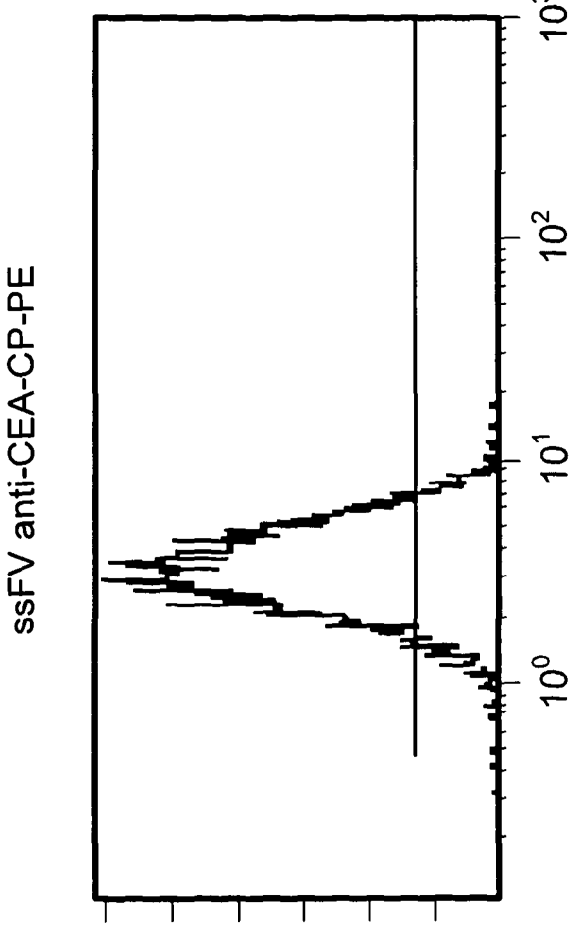


FIG. 11e

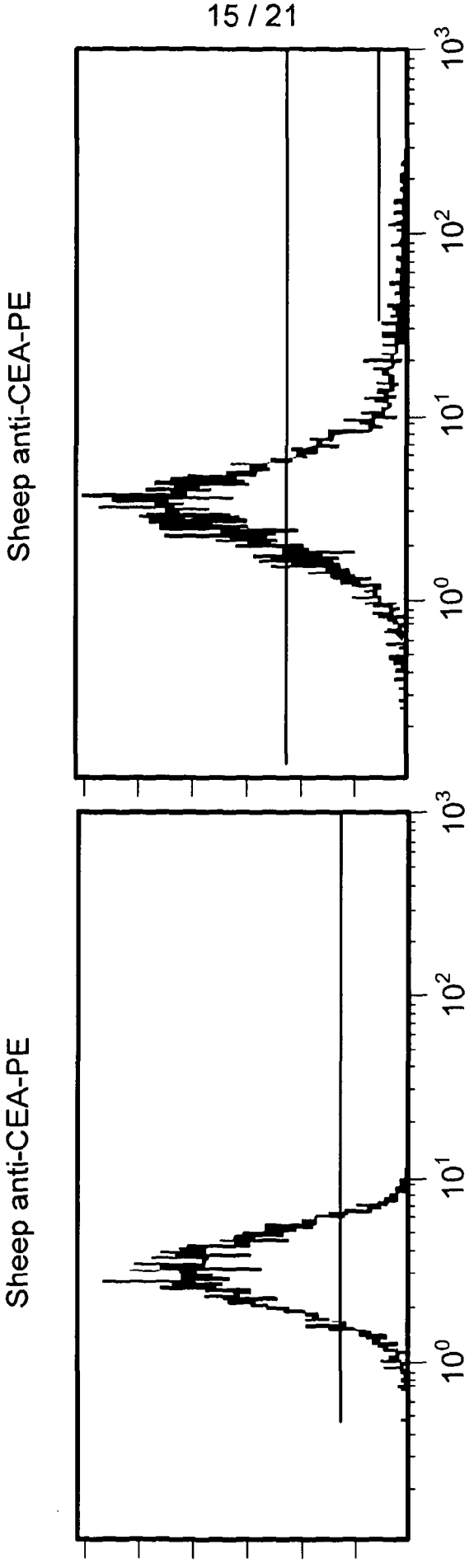


FIG. 11h

FIG. 11g

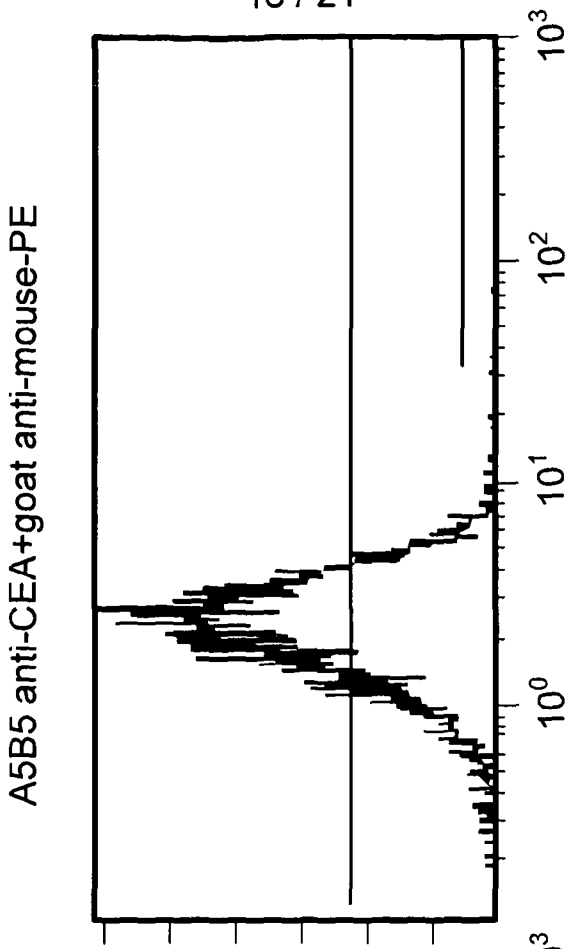


FIG. 11j

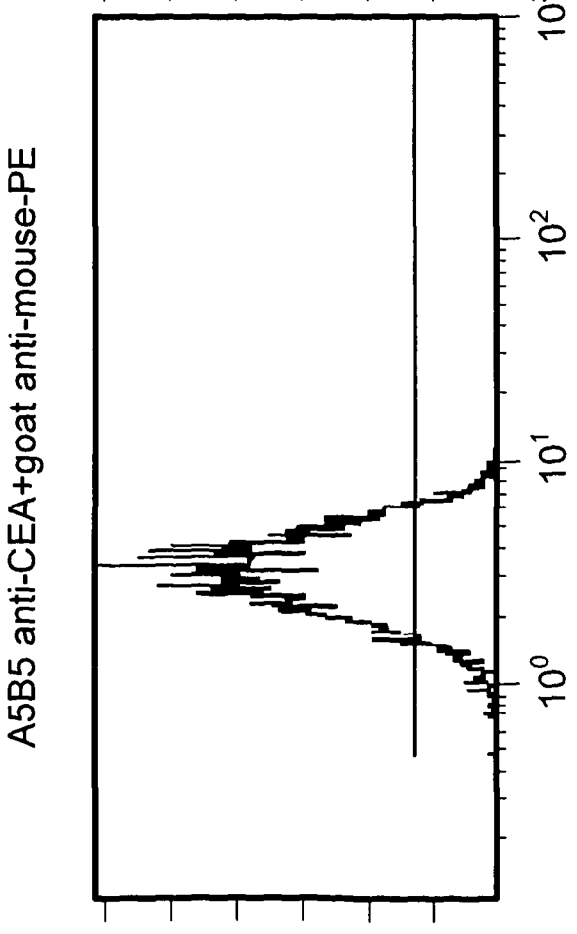


FIG. 11i

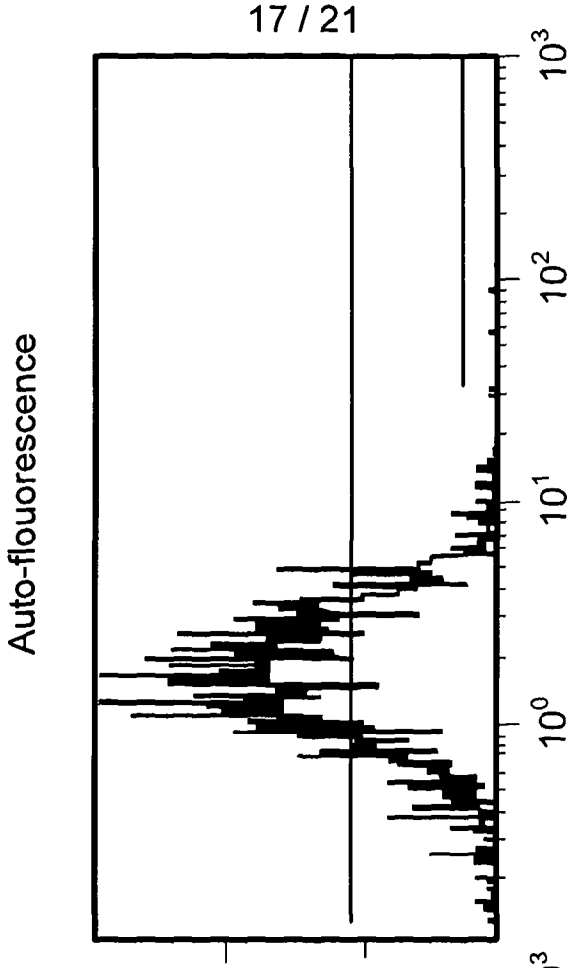


FIG. 12b

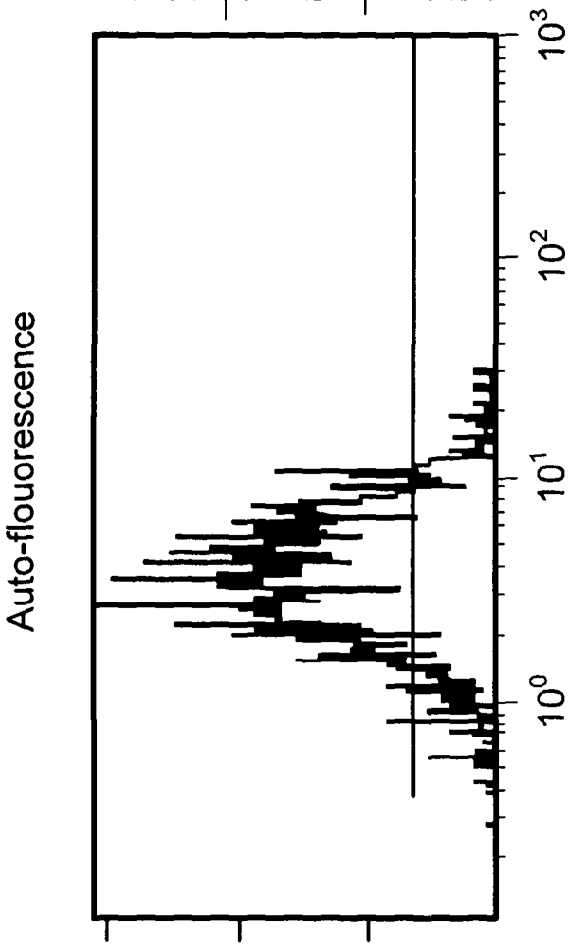


FIG. 12a

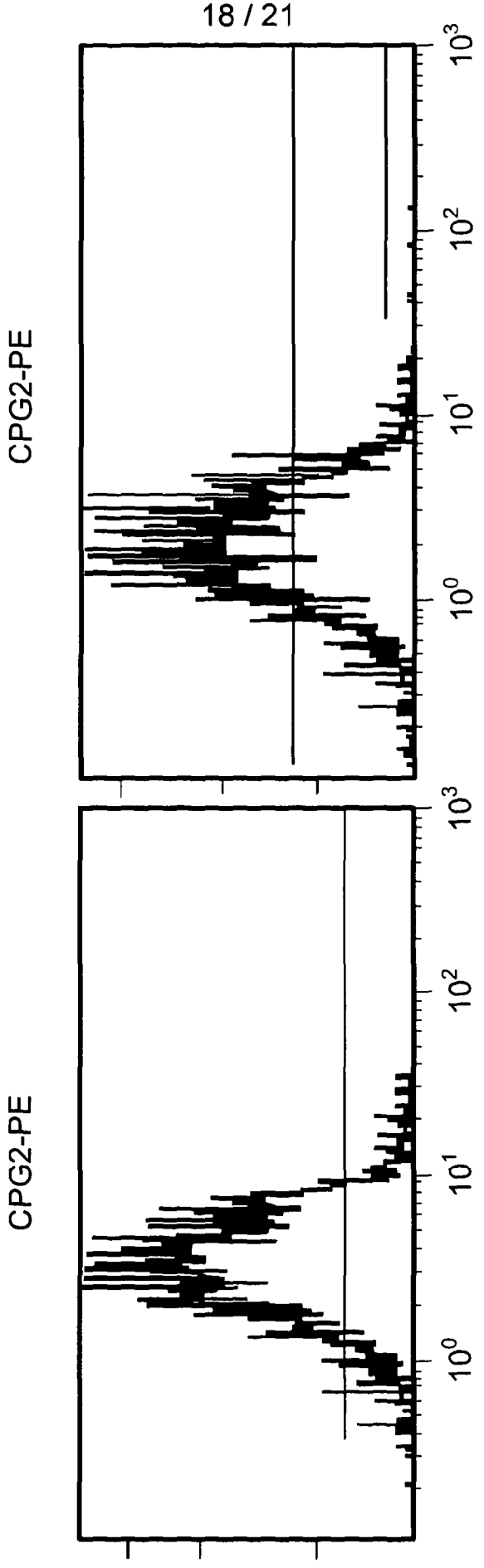


FIG. 12d

FIG. 12c

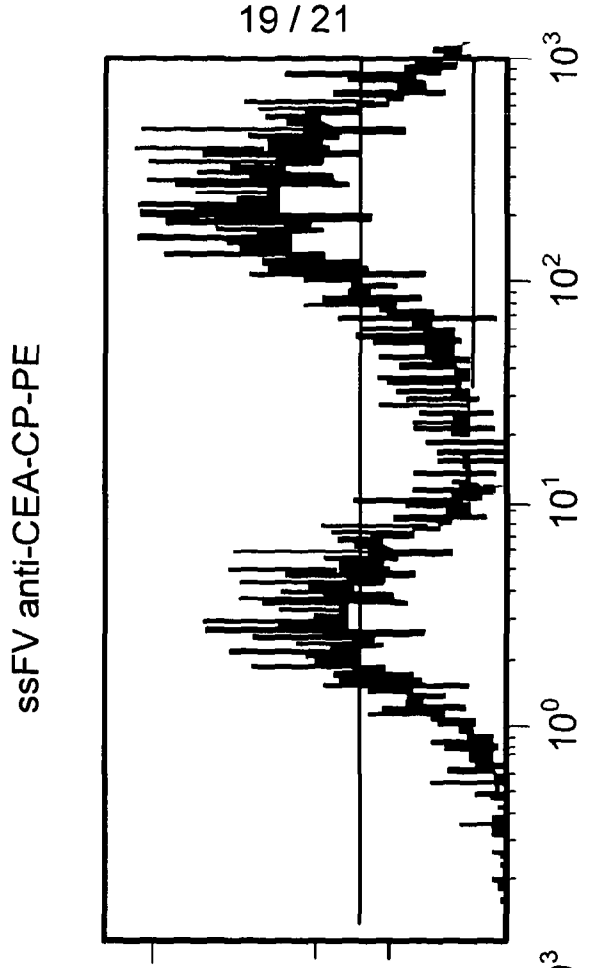


FIG. 12f

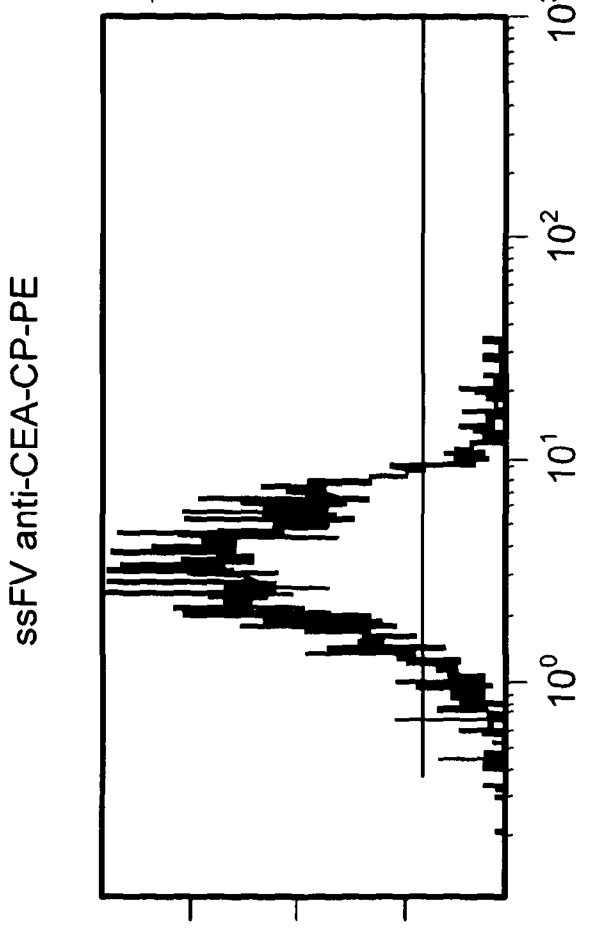


FIG. 12e

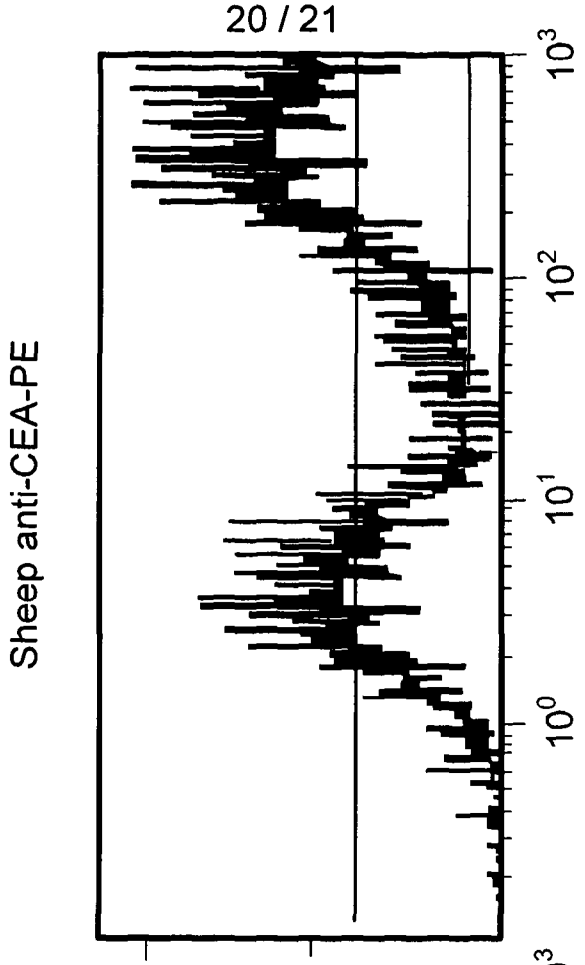


FIG. 12h

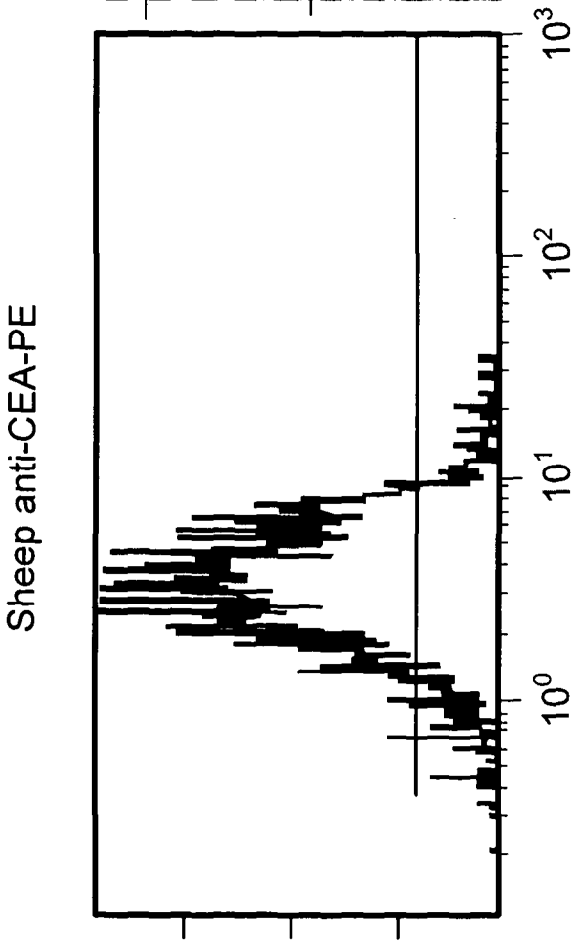


FIG. 12g

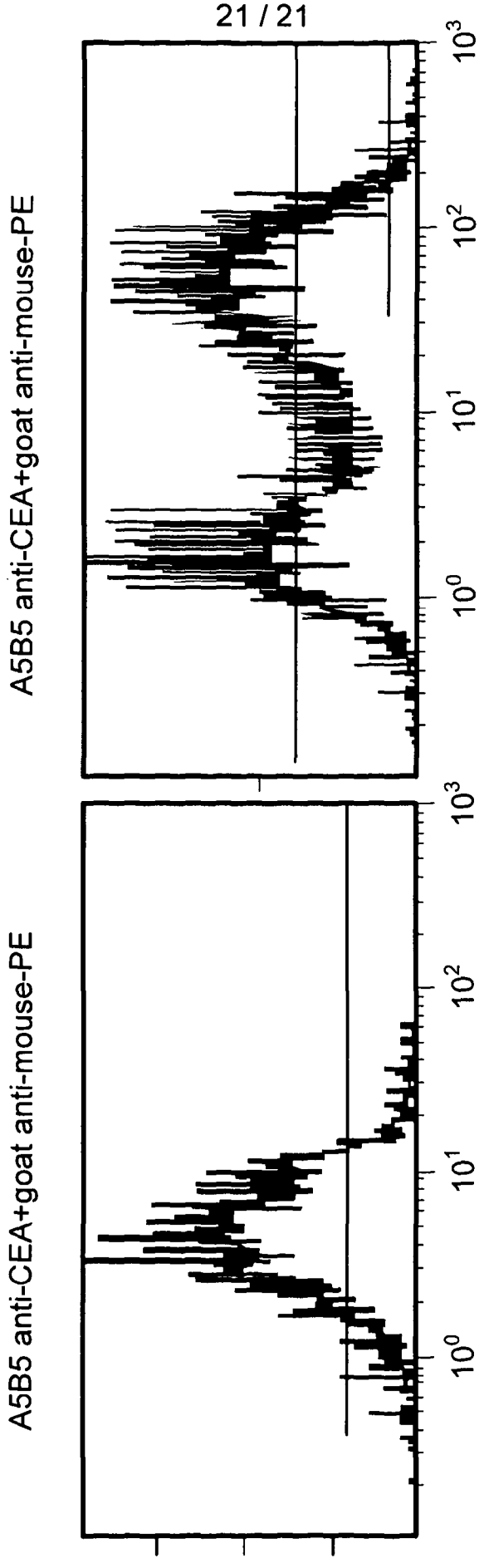


FIG. 12j

FIG. 12i