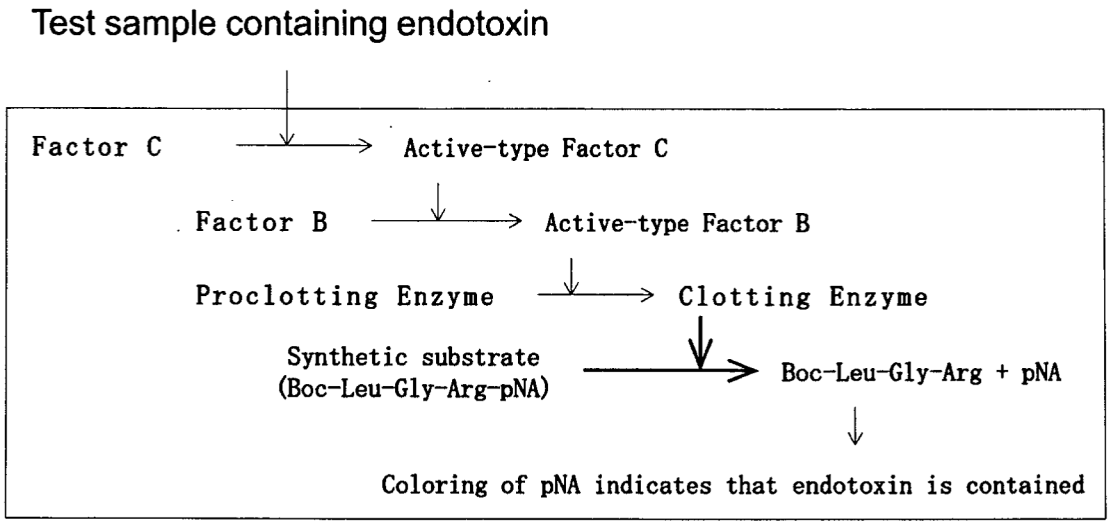
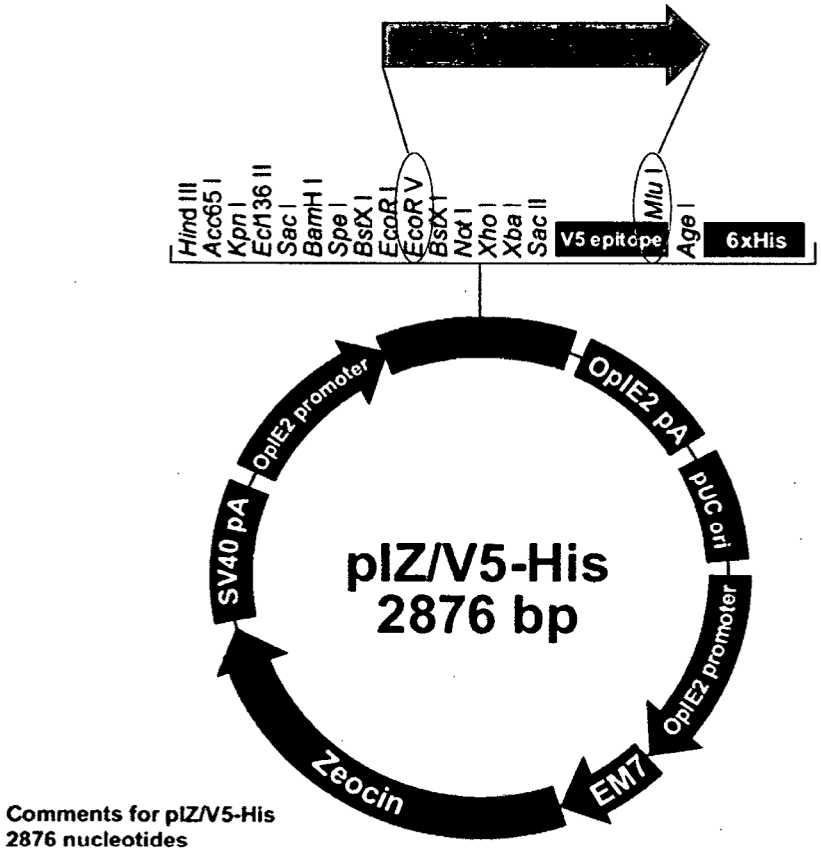
[Fig.1]

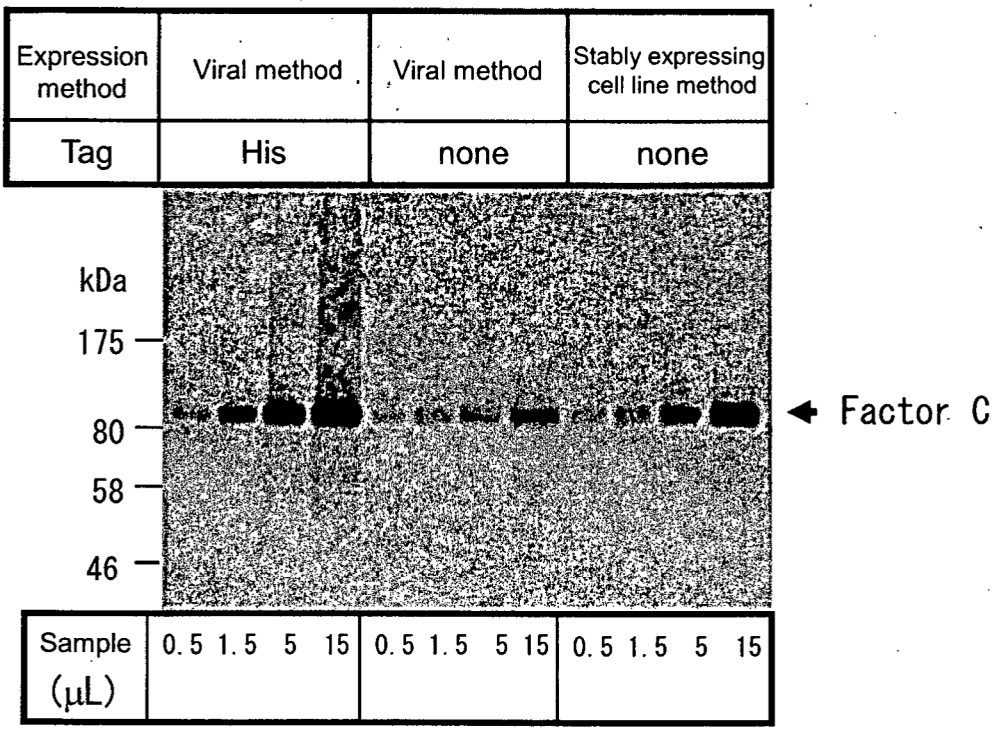


[Fig.2]

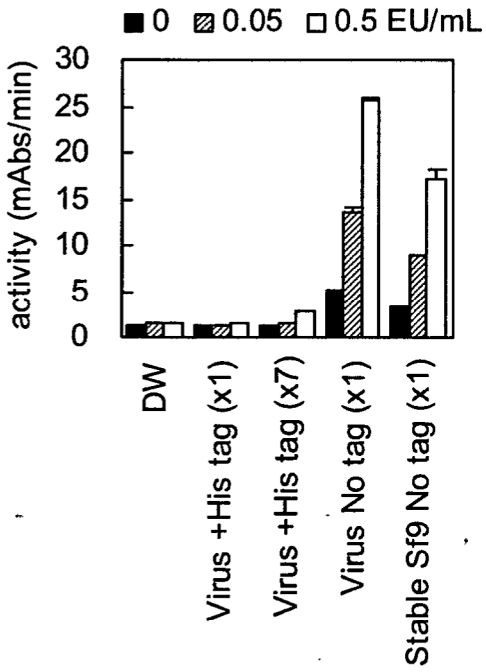


Comments for pIZ/V5-His
2876 nucleotides

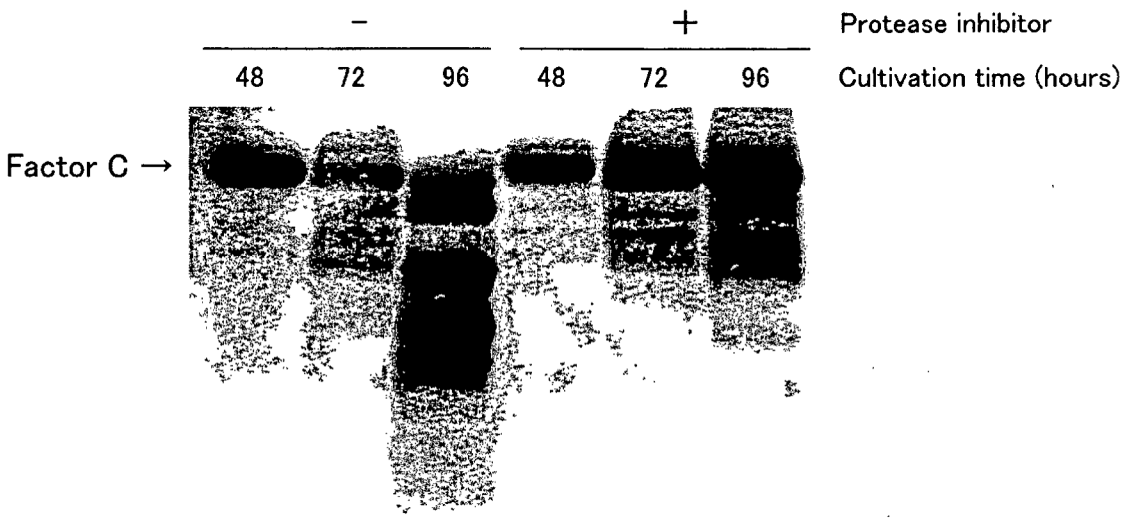
[Fig.3]


Expression method
Viral method
Viral method
Stably expressing cell line method
Tag
His
none
none
kDa
175
80
58
46
Factor C
Sample (μL)
0.5 1.5 5 15
0.5 1.5 5 15
0.5 1.5 5 15

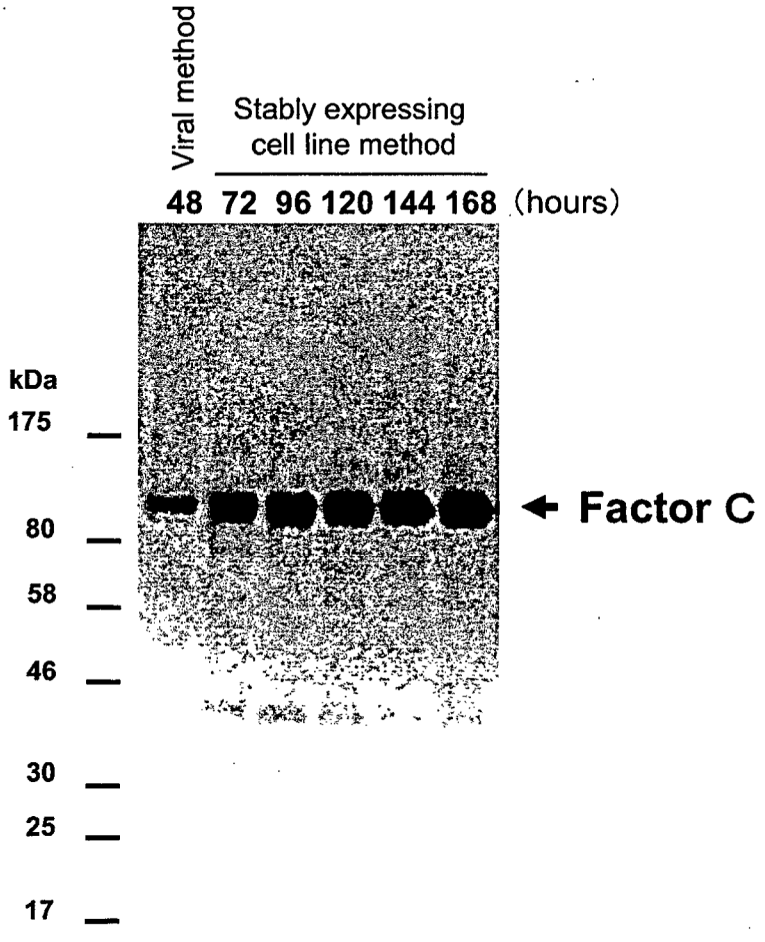
[Fig.4]


0
0.05
0.5 EU/mL
activity (mAbs/min)
30
25
20
15
10
5
0
DW
Virus +His tag (x1)
Virus +His tag (x7)
Virus No tag (x1)
Stable Sf9 No tag (x1)

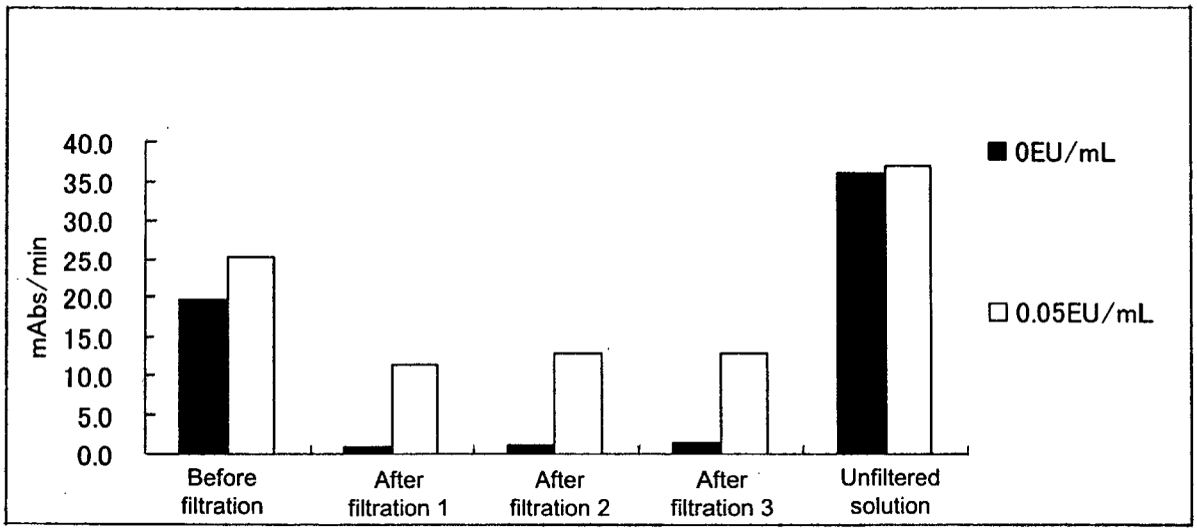
[Fig.5]


−
+
Protease inhibitor
48
72
96
48
72
96
Cultivation time (hours)
Factor C →

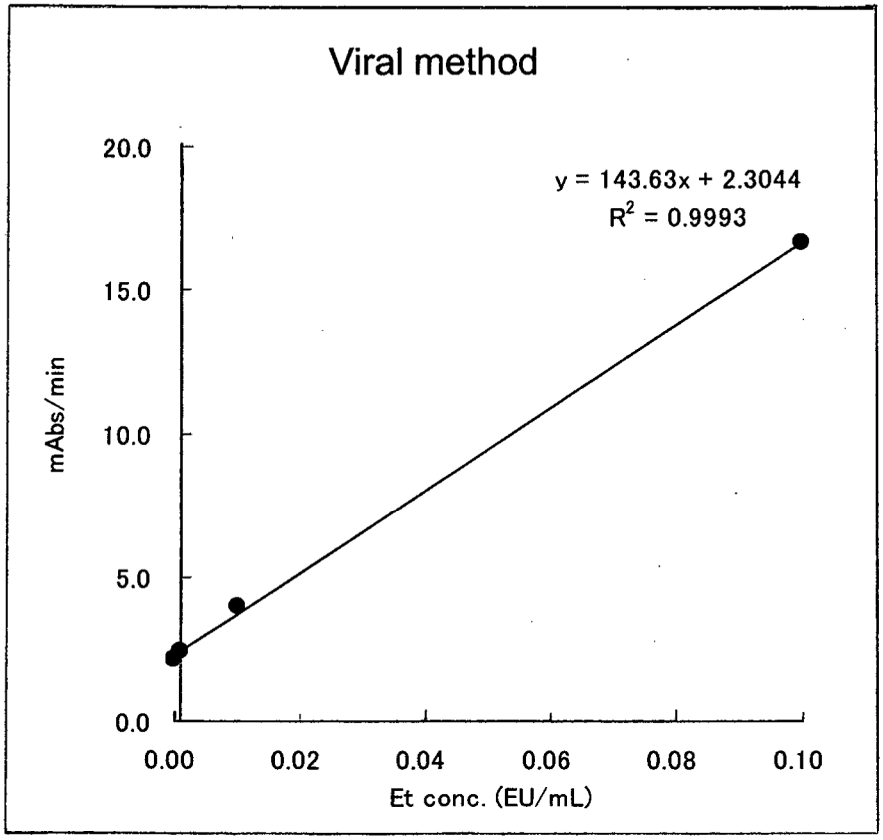
[Fig.6]


Viral method
Stably expressing cell line method
48 72 96 120 144 168 (hours)
kDa
175
80
58
46
30
25
17
Factor C

[Fig.7]

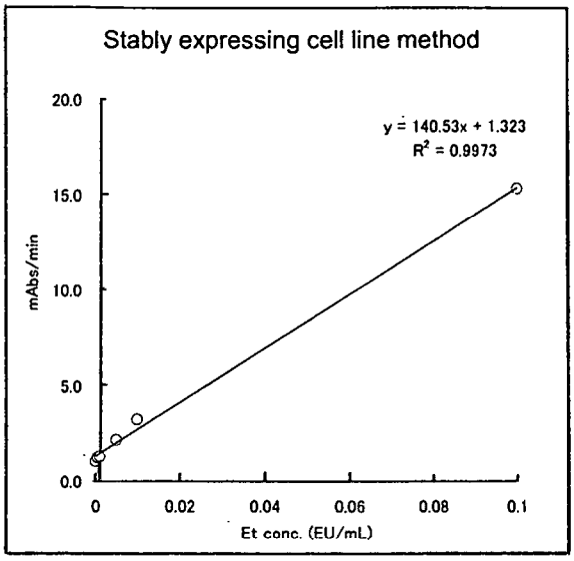

40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
mAbs/min
Before filtration
After filtration 1
After filtration 2
After filtration 3
Unfiltered solution
0EU/mL
0.05EU/mL

[Fig.8]

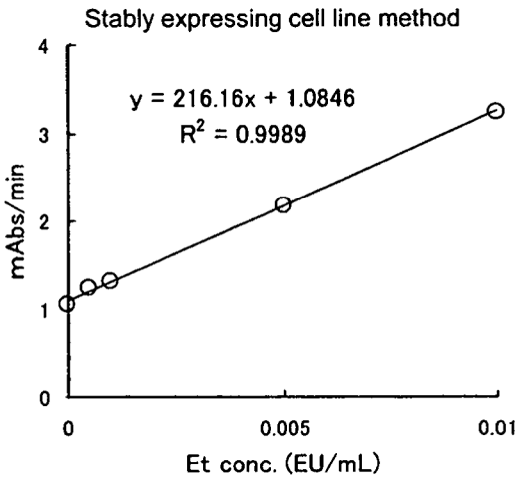

Viral method
y = 143.63x + 2.3044
R2 = 0.9993
20.0
15.0
10.0
5.0
0.0
mAbs/min
0.00
0.02
0.04
0.06
0.08
0.10
Et conc. (EU/mL)

[Fig.9]

(a)

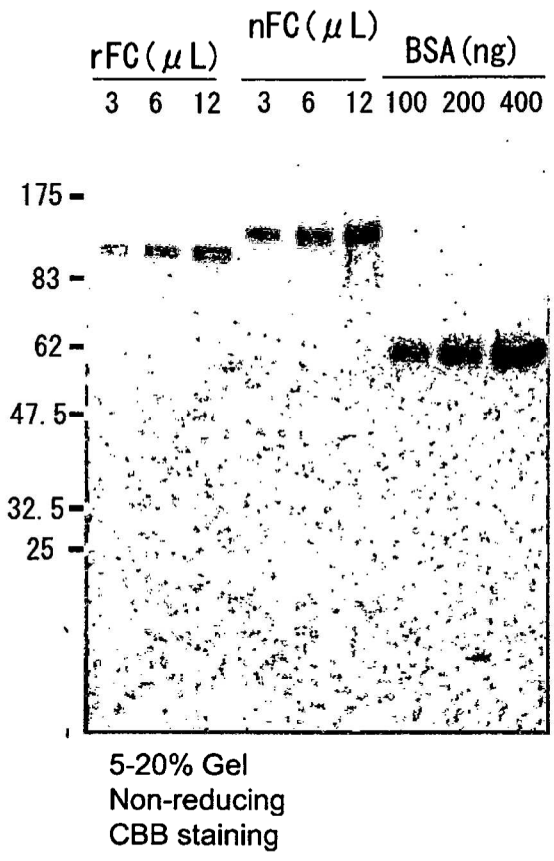


(b)

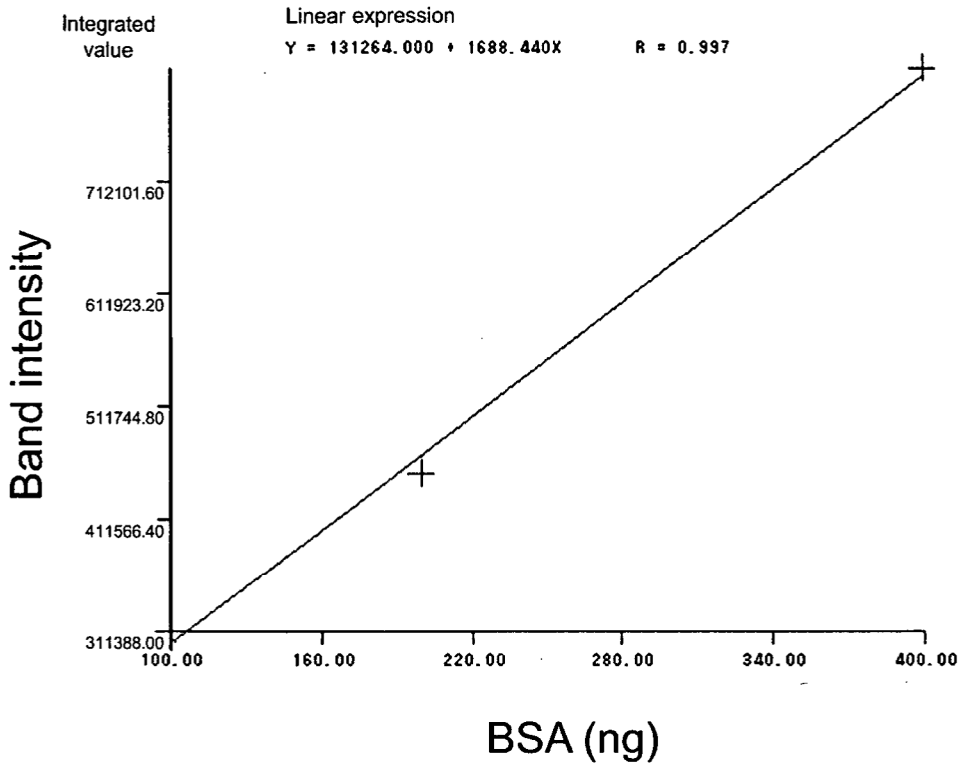


Et conc. (EU/mL)	0	0.0005	0.001	0.005	0.01
mAbs/min	1.039	1.231	1.309	2.169	3.242

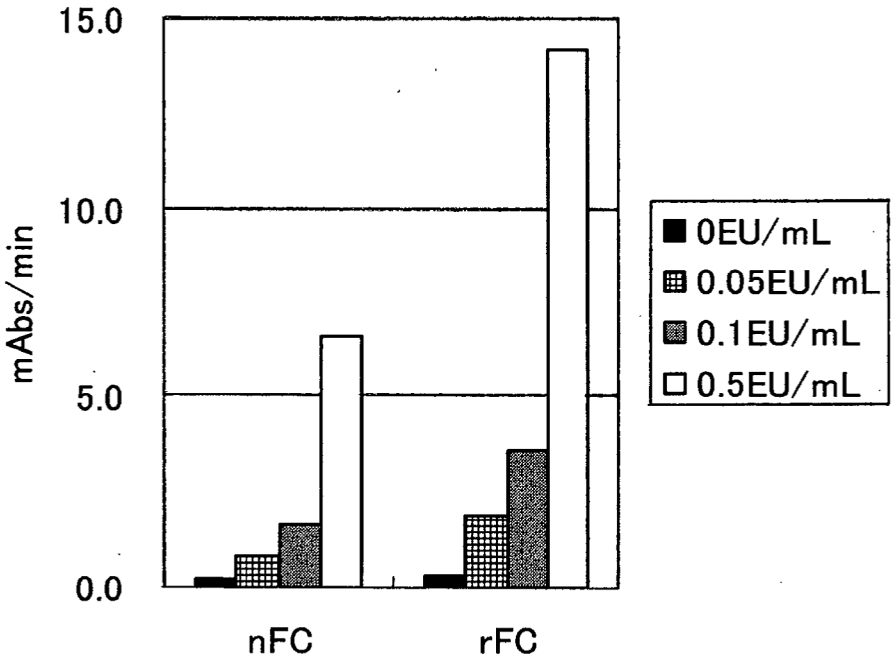
[Fig.10]



[Fig.11]


Integrated value
Linear expression
Y = 131264.000 + 1688.440X
R = 0.997
712101.60
611923.20
511744.80
411566.40
311388.00
Band intensity
100.00
160.00
220.00
280.00
340.00
400.00
BSA (ng)

[Fig.12]


15.0
10.0
5.0
0.0
mAbs/min
0EU/mL
0.05EU/mL
0.1EU/mL
0.5EU/mL
nFC
rFC