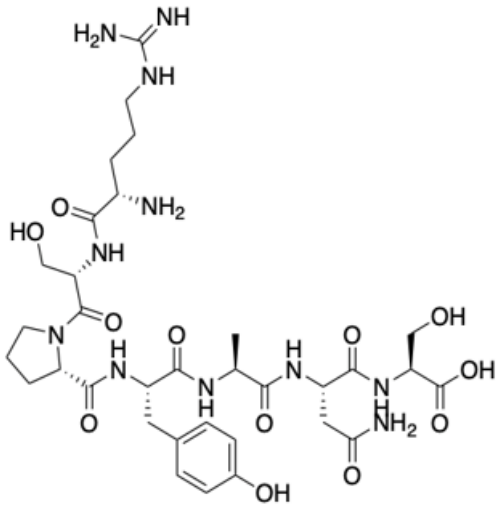


FIG. 1

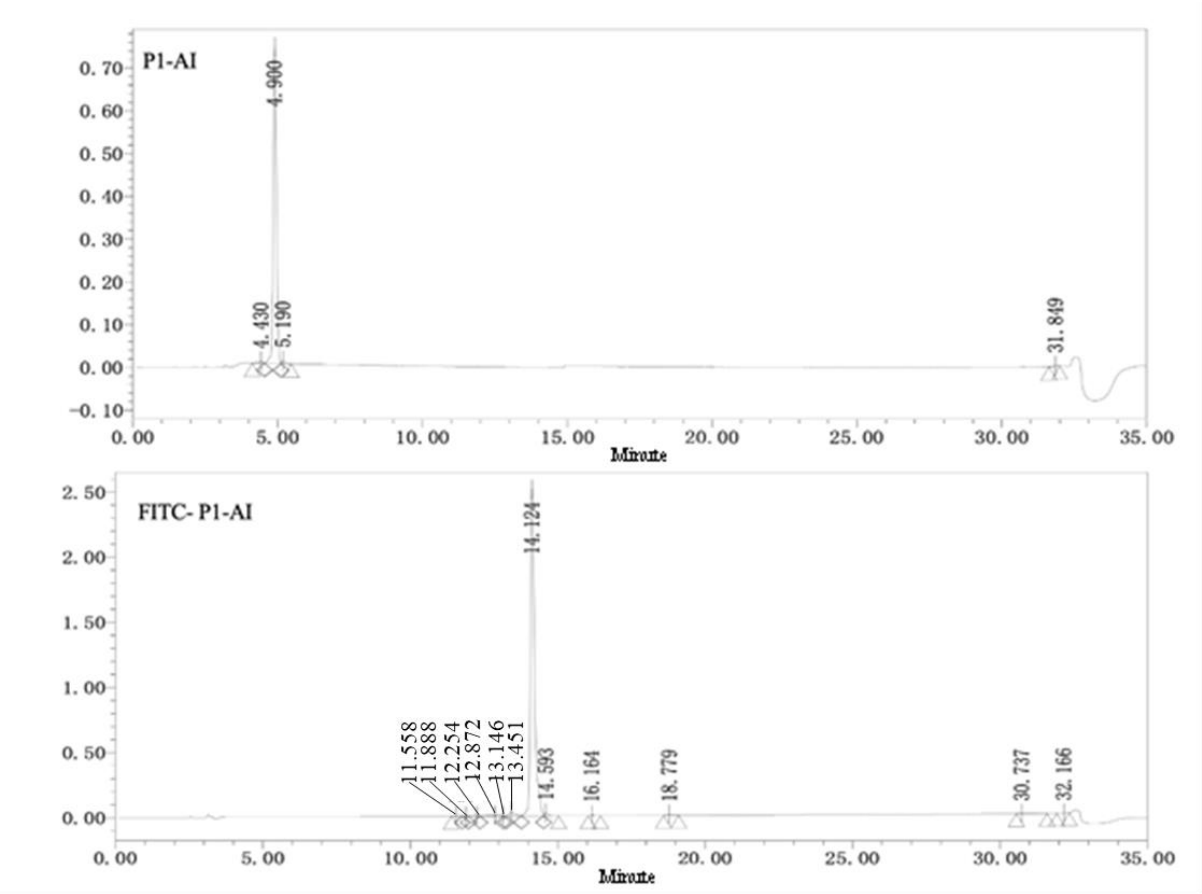

P1-AI
4.900
4.430
5.190
31.849
Minute
FITC- P1-AI
14.124
11.558
11.888
12.254
12.872
13.146
13.451
14.593
16.164
18.779
30.737
32.166
Minute

FIG. 2A

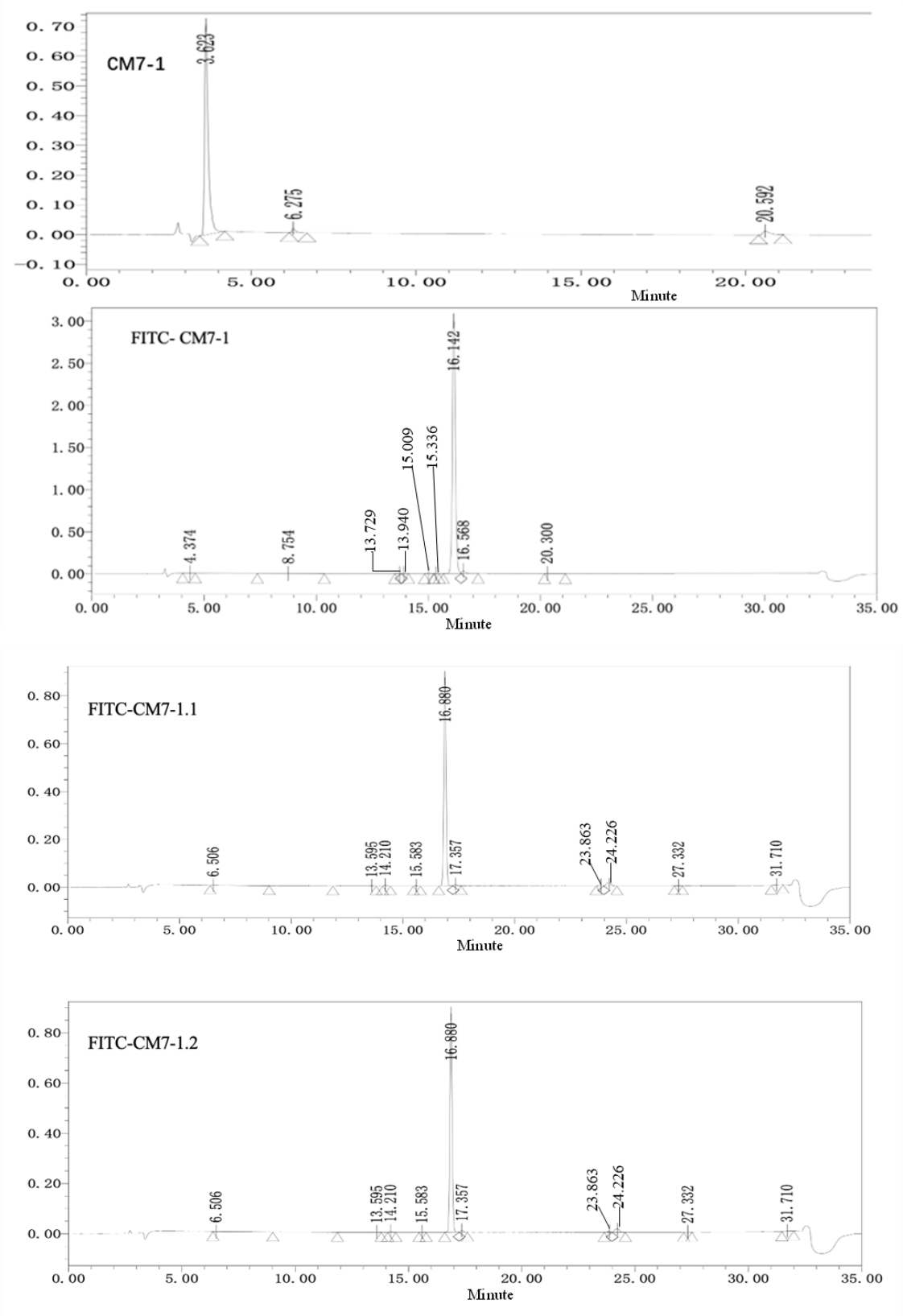


FIG. 2A (continued)

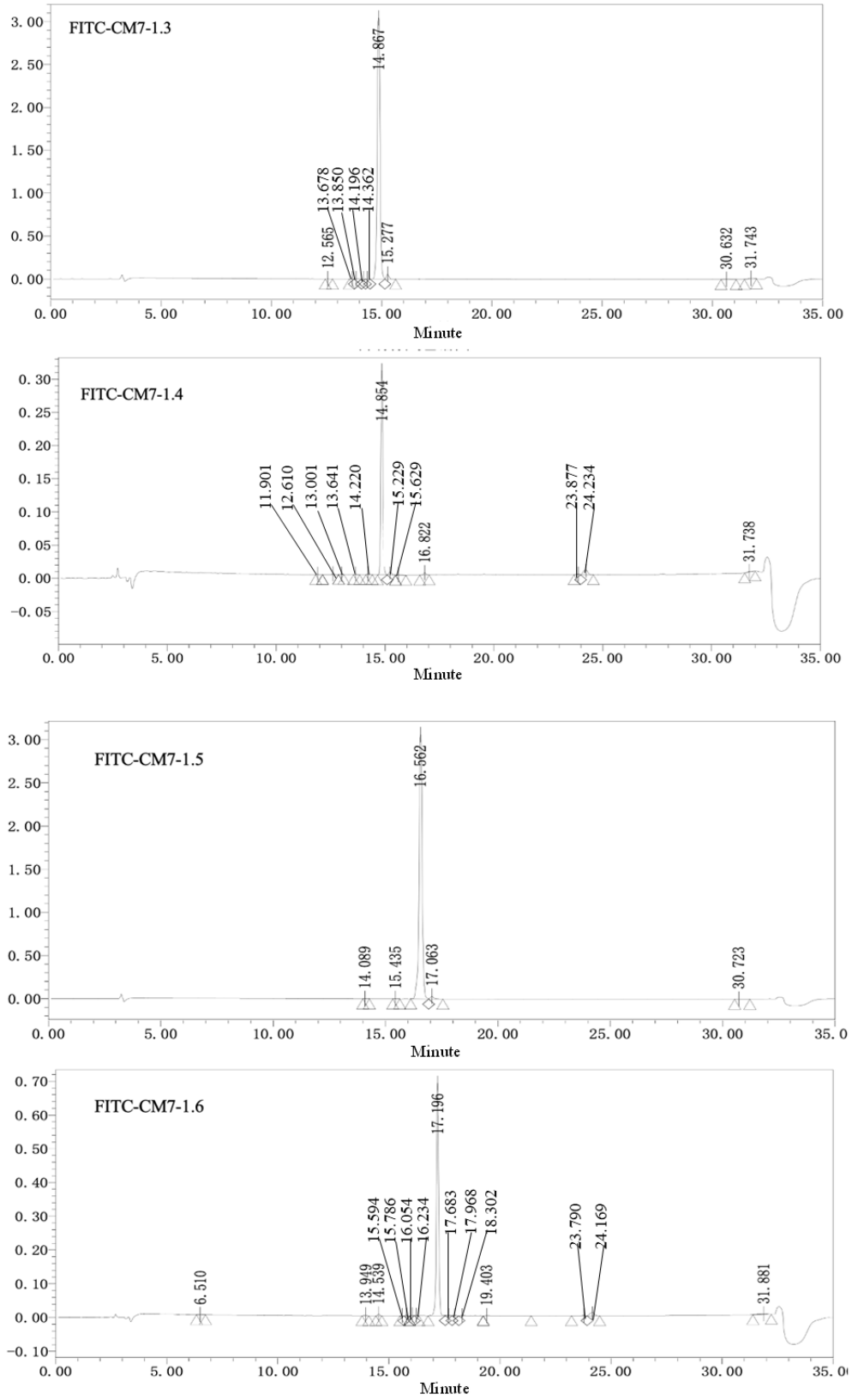

FITC-CM7-1.3
14.867
13.678
13.850
14.196
14.362
12.565
15.277
30.632
31.743
Minute
FITC-CM7-1.4
14.854
11.901
12.610
13.001
13.641
14.220
15.229
15.629
16.822
23.877
24.234
31.738
Minute
FITC-CM7-1.5
16.562
14.089
15.435
17.063
30.723
Minute
FITC-CM7-1.6
17.196
15.594
15.786
16.054
16.234
17.683
17.968
18.302
13.949
14.539
6.510
19.403
23.790
24.169
31.881
Minute

FIG. 2B

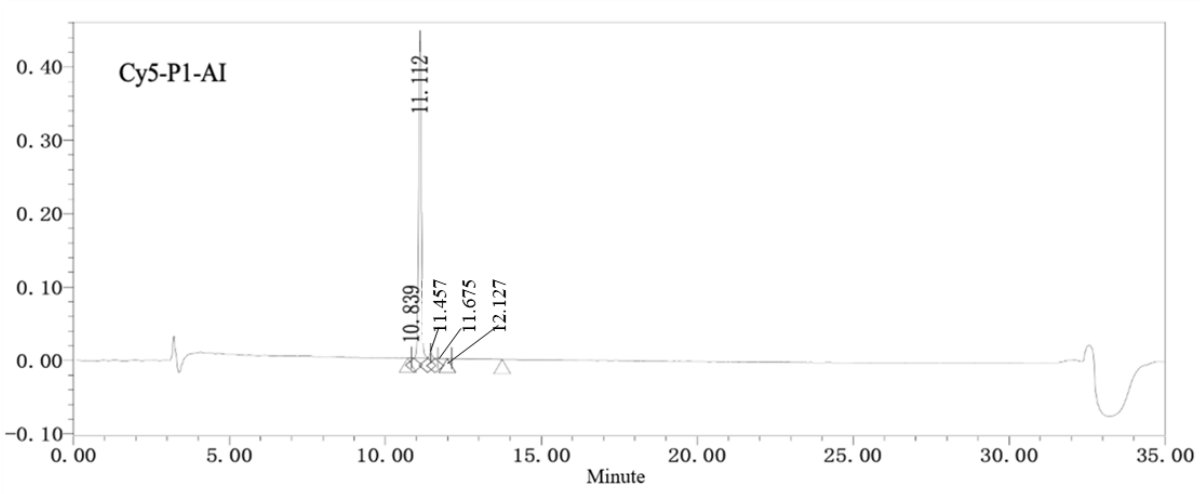


FIG. 2B (continued)

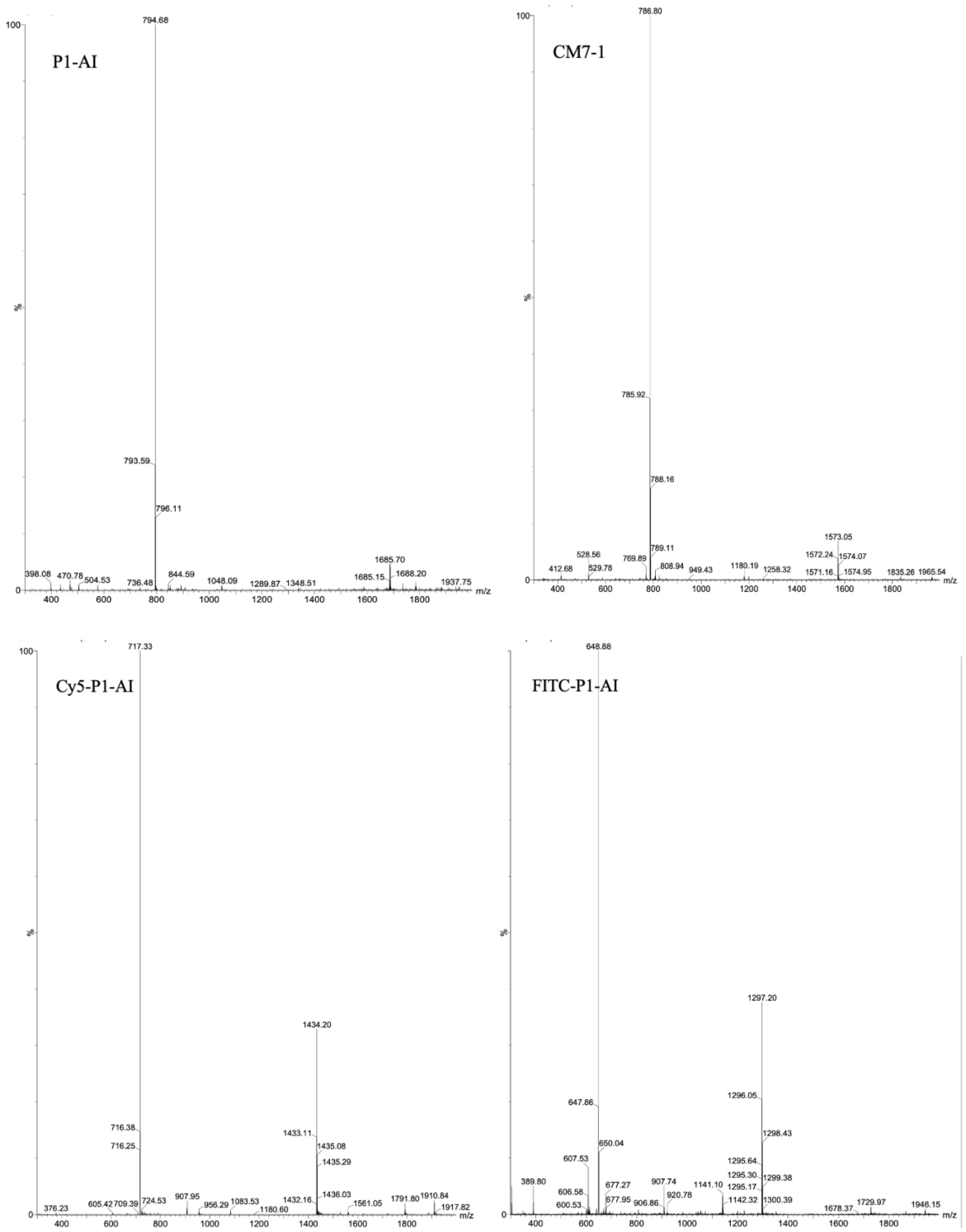

P1-AI
794.68
793.59
796.11
1685.70
1688.20
1685.15
1937.75
CM7-1
786.80
785.92
788.16
789.11
1573.05
1572.24
1574.07
Cy5-P1-AI
717.33
1434.20
716.38
716.25
1433.11
1435.08
1435.29
FITC-P1-AI
648.88
1297.20
1296.05
647.86
1298.43
650.04
607.53
1295.64
1295.30
1299.38
1295.17
1142.32
1300.39
m/z
%

FIG. 3

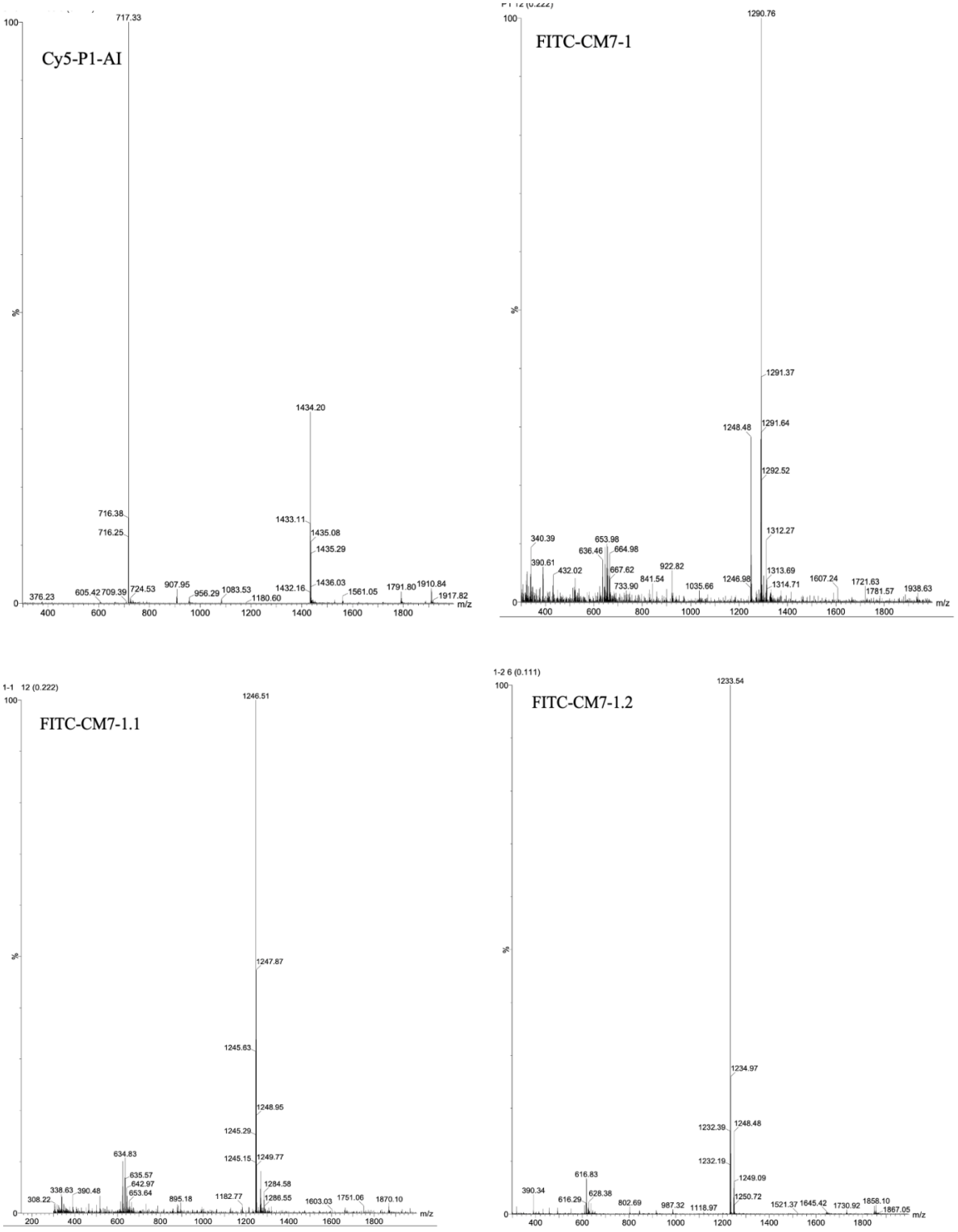


FIG. 3 (continued)

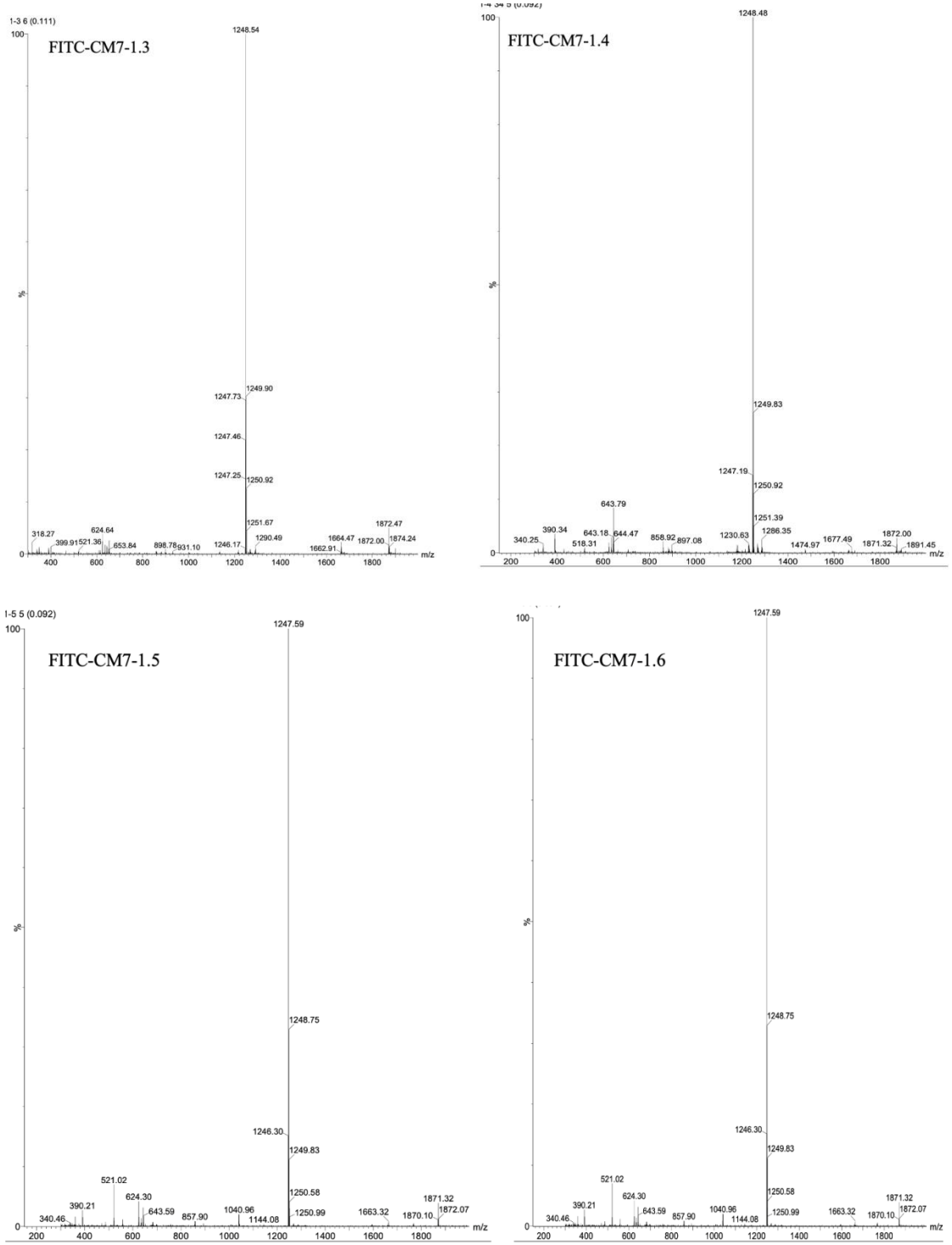


FIG. 3 (continued)

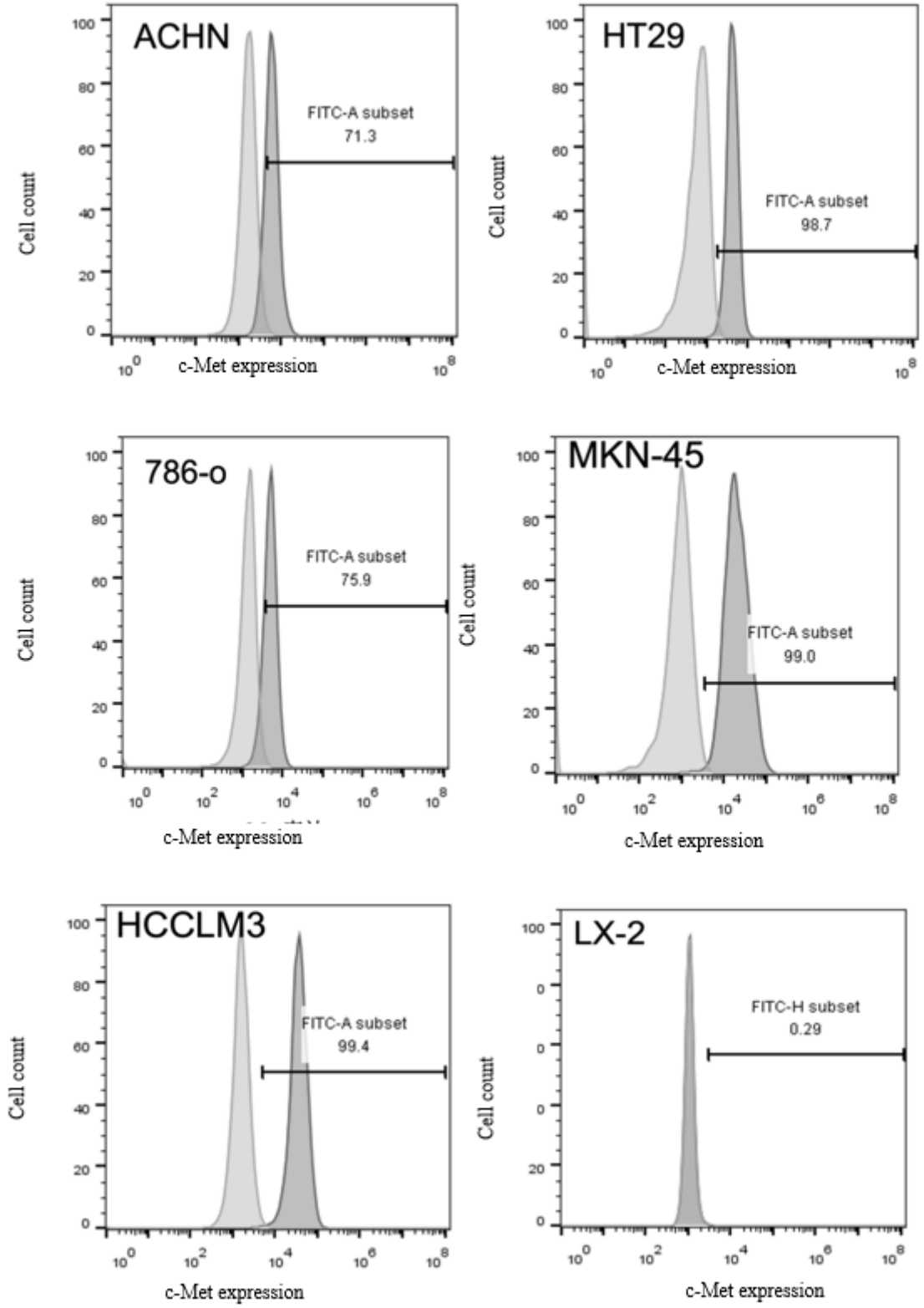

ACHN
FITC-A subset
71.3
Cell count
c-Met expression
HT29
FITC-A subset
98.7
Cell count
c-Met expression
786-o
FITC-A subset
75.9
Cell count
c-Met expression
MKN-45
FITC-A subset
99.0
Cell count
c-Met expression
HCCLM3
FITC-A subset
99.4
Cell count
c-Met expression
LX-2
FITC-H subset
0.29
Cell count
c-Met expression

FIG. 4

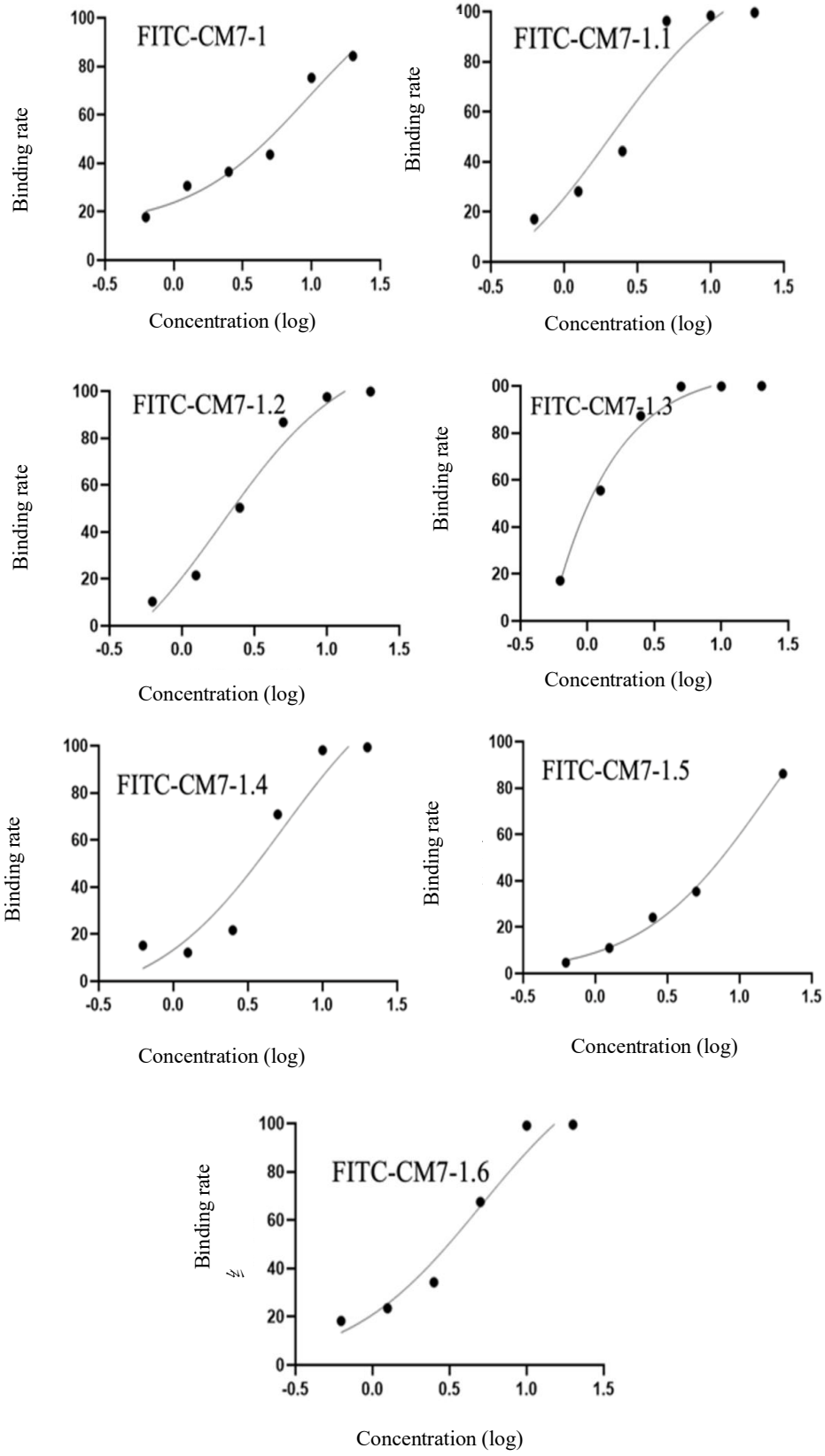

FITC-CM7-1
FITC-CM7-1.1
FITC-CM7-1.2
FITC-CM7-1.3
FITC-CM7-1.4
FITC-CM7-1.5
FITC-CM7-1.6
Binding rate
Concentration (log)
100
80
60
40
20
0
-0.5
0.0
0.5
1.0
1.5

FIG. 5

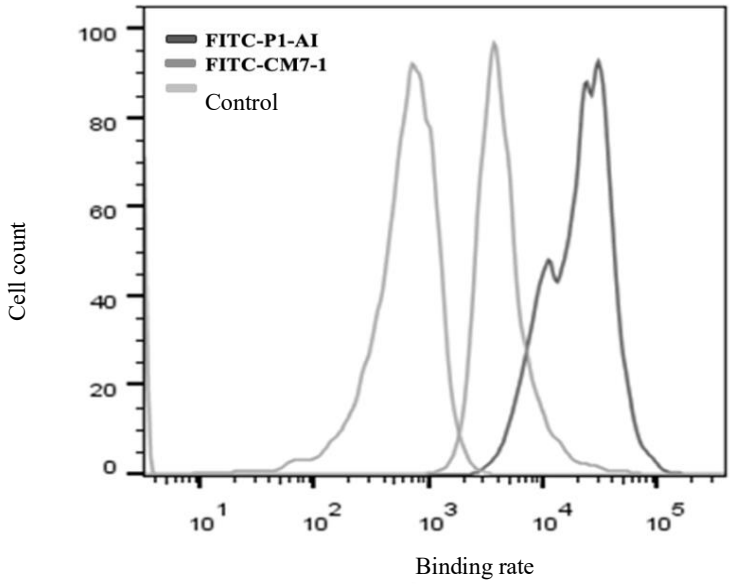
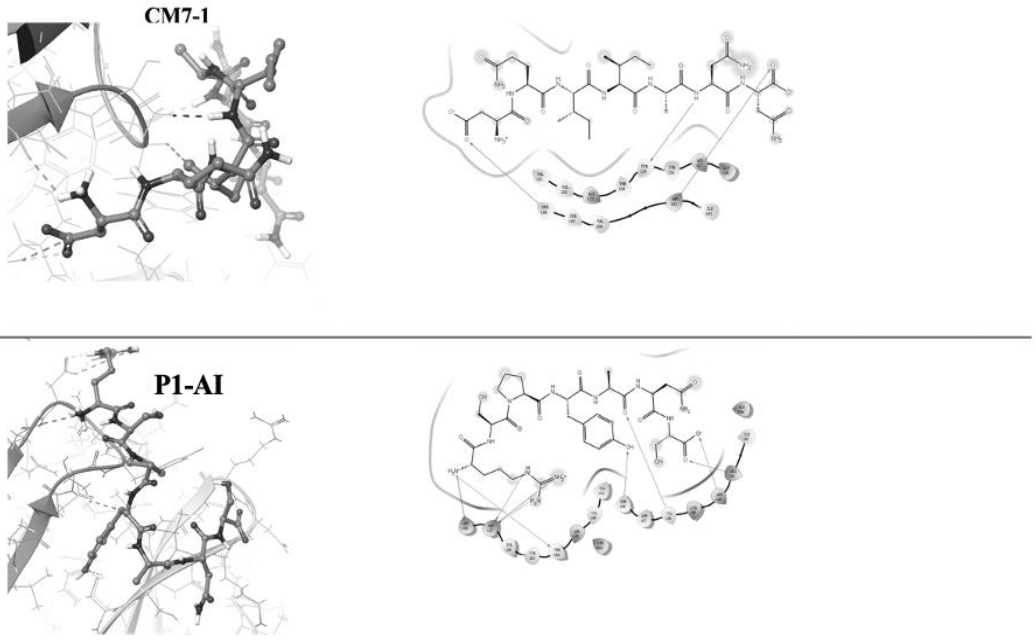


FIG. 6



Name	Docking score	Theoretical isoelectric point	GRAVY
CM7	-8.6	pH 3.12	-0.46
P1-AI	-10.2	pH 9.84	-1.53

FIG. 7

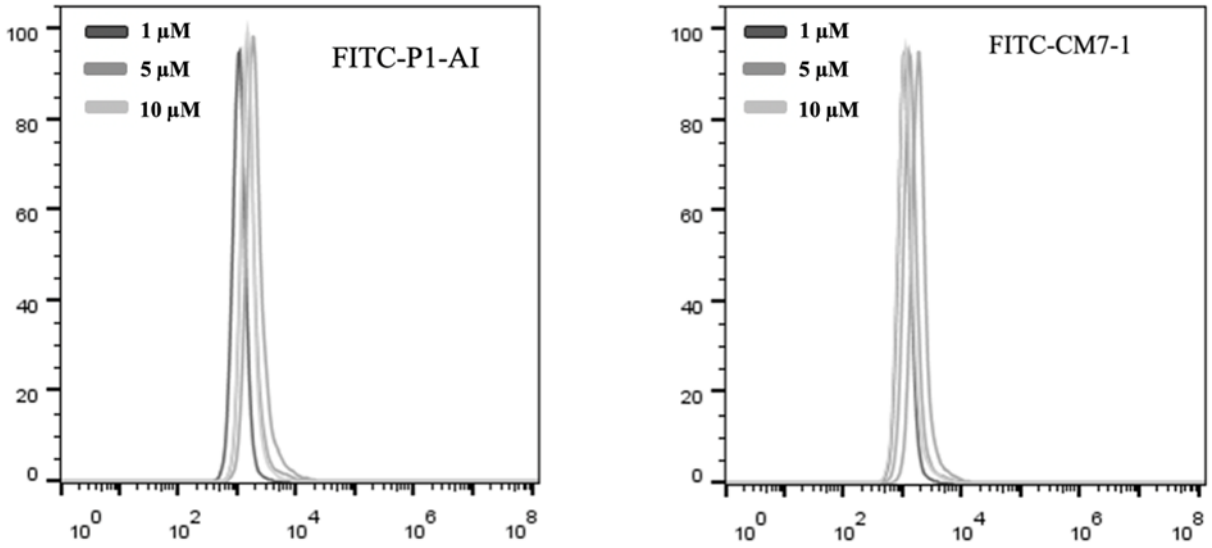


FIG. 8

6 mM CM7-1 **19 mM P1-AI** **Water**



FIG. 9

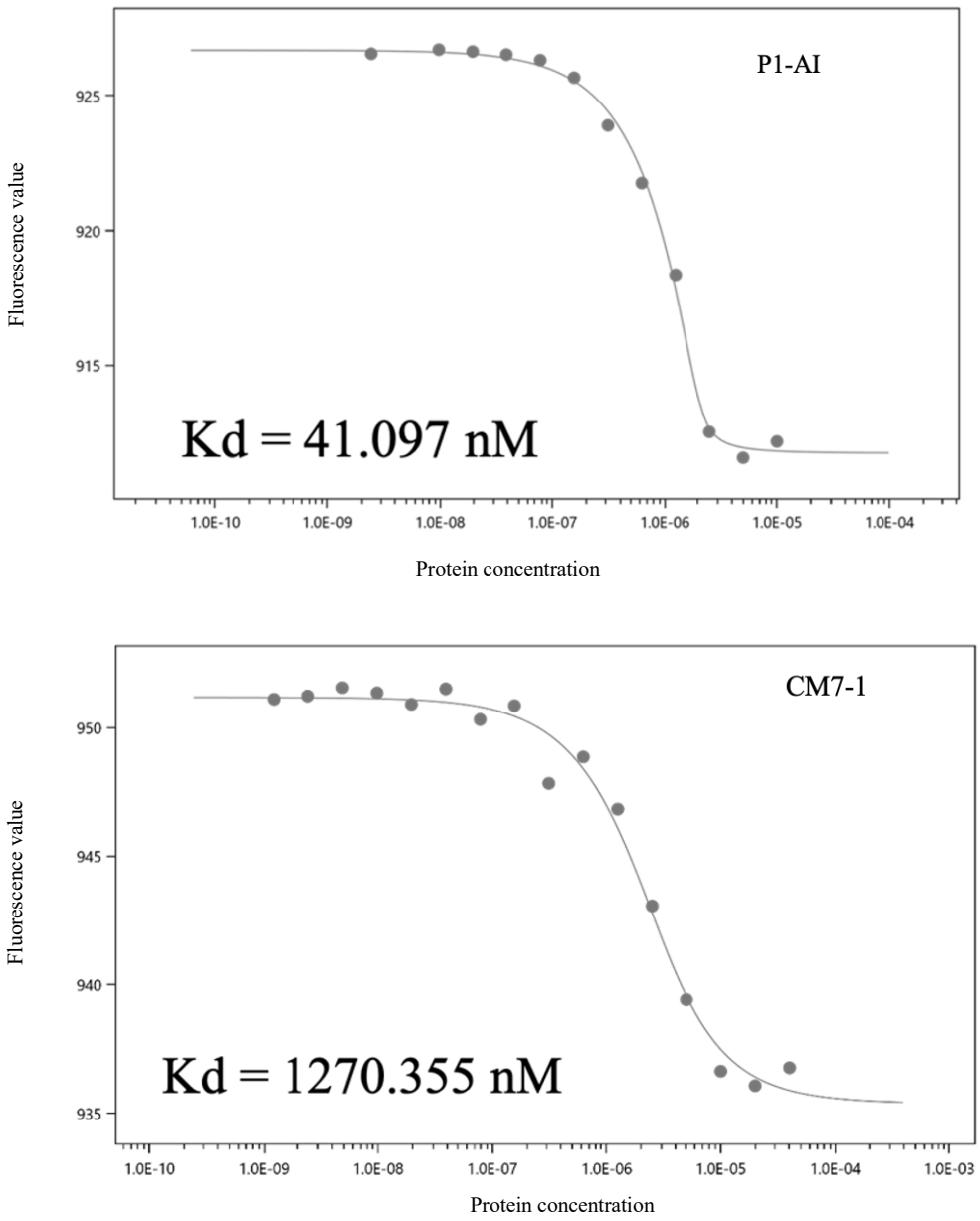

P1-AI
Kd = 41.097 nM
Fluorescence value
925
920
915
1.0E-10
1.0E-09
1.0E-08
1.0E-07
1.0E-06
1.0E-05
1.0E-04
Protein concentration
CM7-1
Kd = 1270.355 nM
Fluorescence value
950
945
940
935
1.0E-10
1.0E-09
1.0E-08
1.0E-07
1.0E-06
1.0E-05
1.0E-04
1.0E-03
Protein concentration

FIG. 10

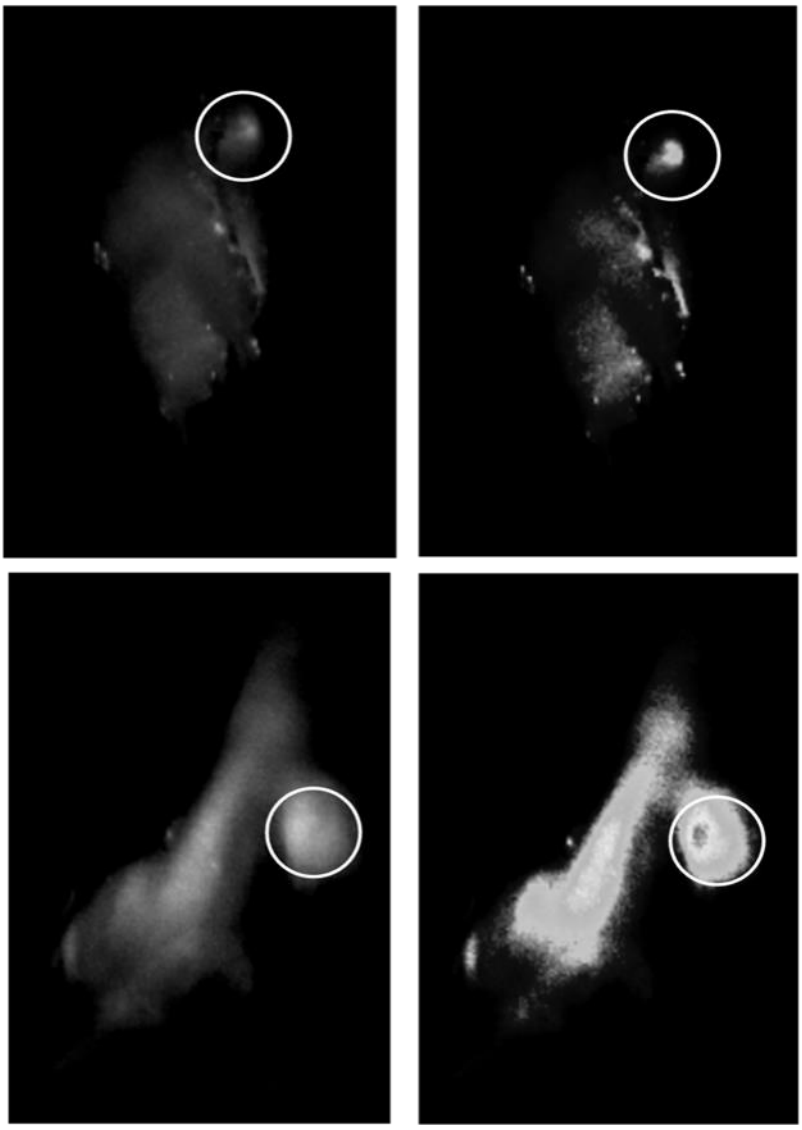


FIG. 11

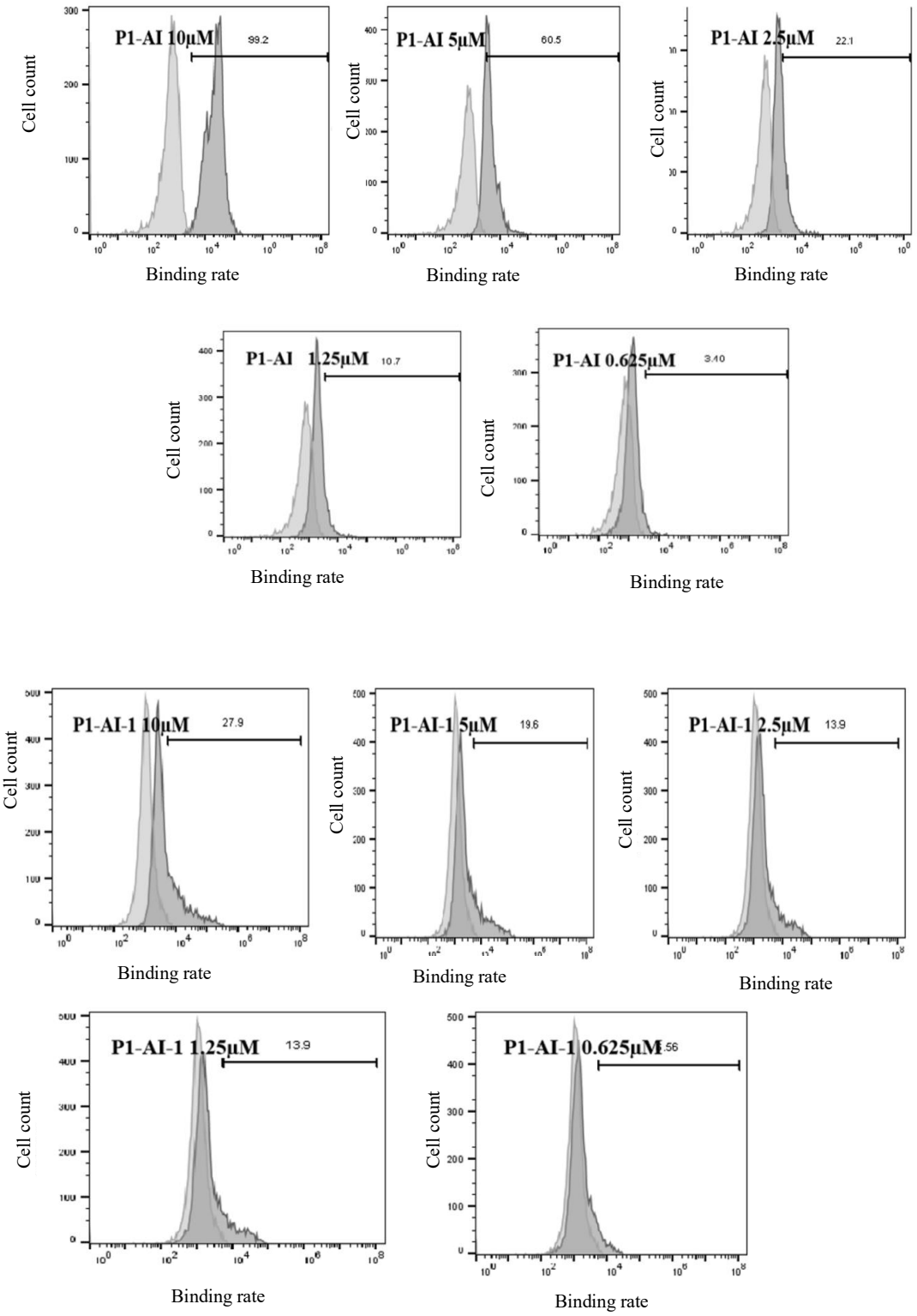

P1-AI 10μM
99.2
P1-AI 5μM
60.5
P1-AI 2.5μM
22.1
P1-AI 1.25μM
10.7
P1-AI 0.625μM
3.40
P1-AI-1 10μM
27.9
P1-AI-1 5μM
19.6
P1-AI-1 2.5μM
13.9
P1-AI-1 1.25μM
13.9
P1-AI-1 0.625μM
Cell count
Binding rate

FIG. 12

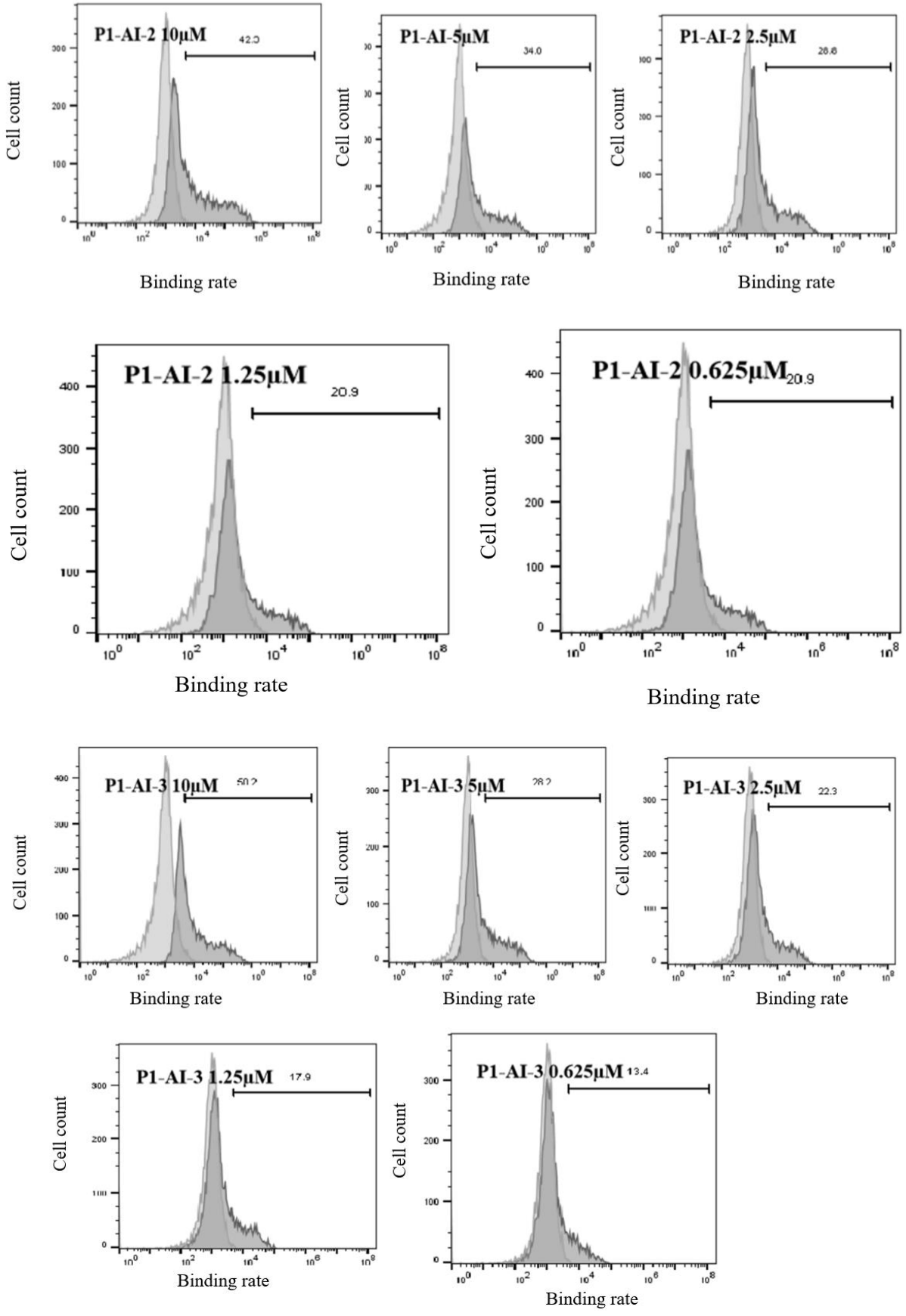


FIG. 12 (continued)

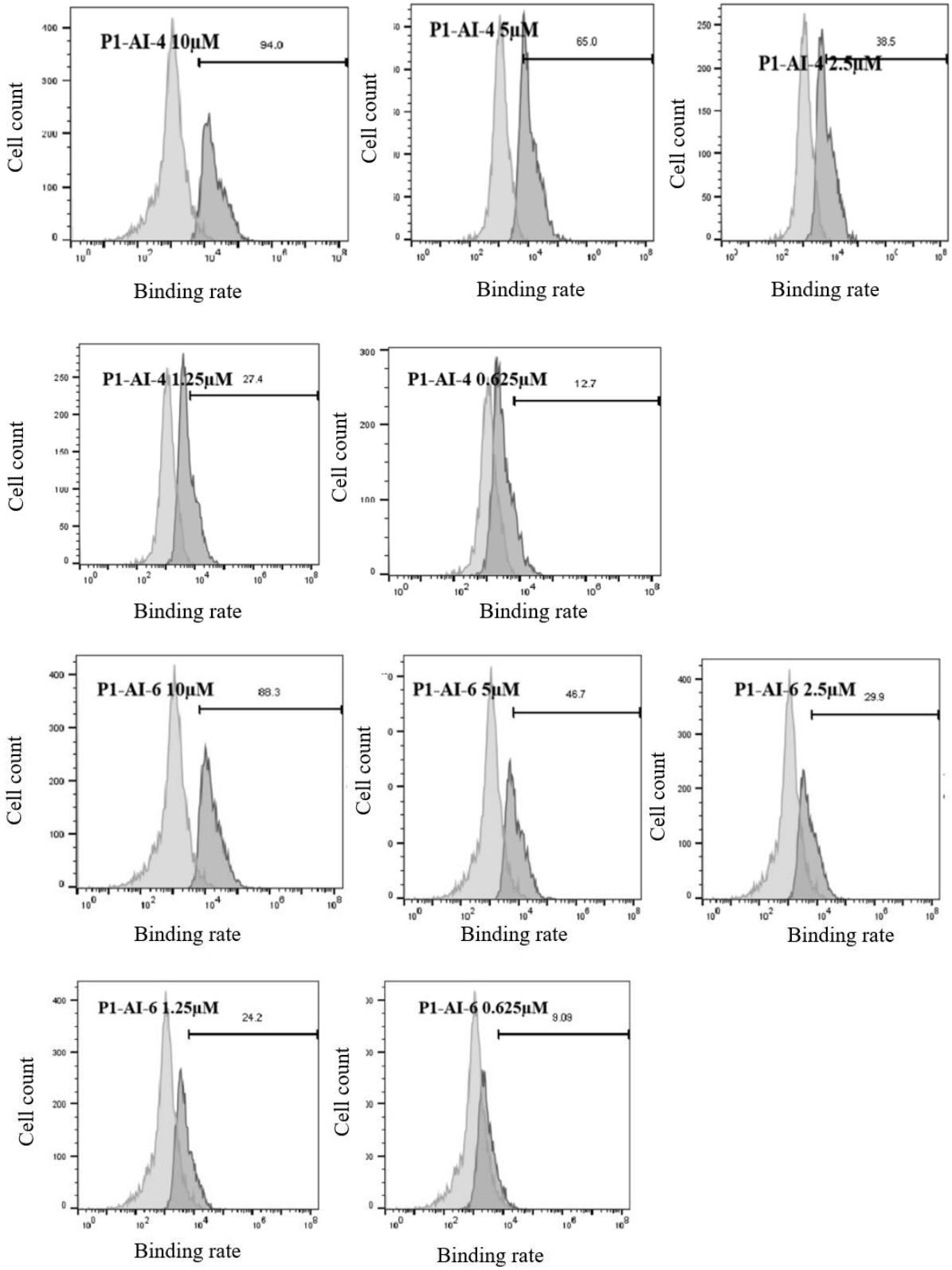


FIG. 12 (continued)

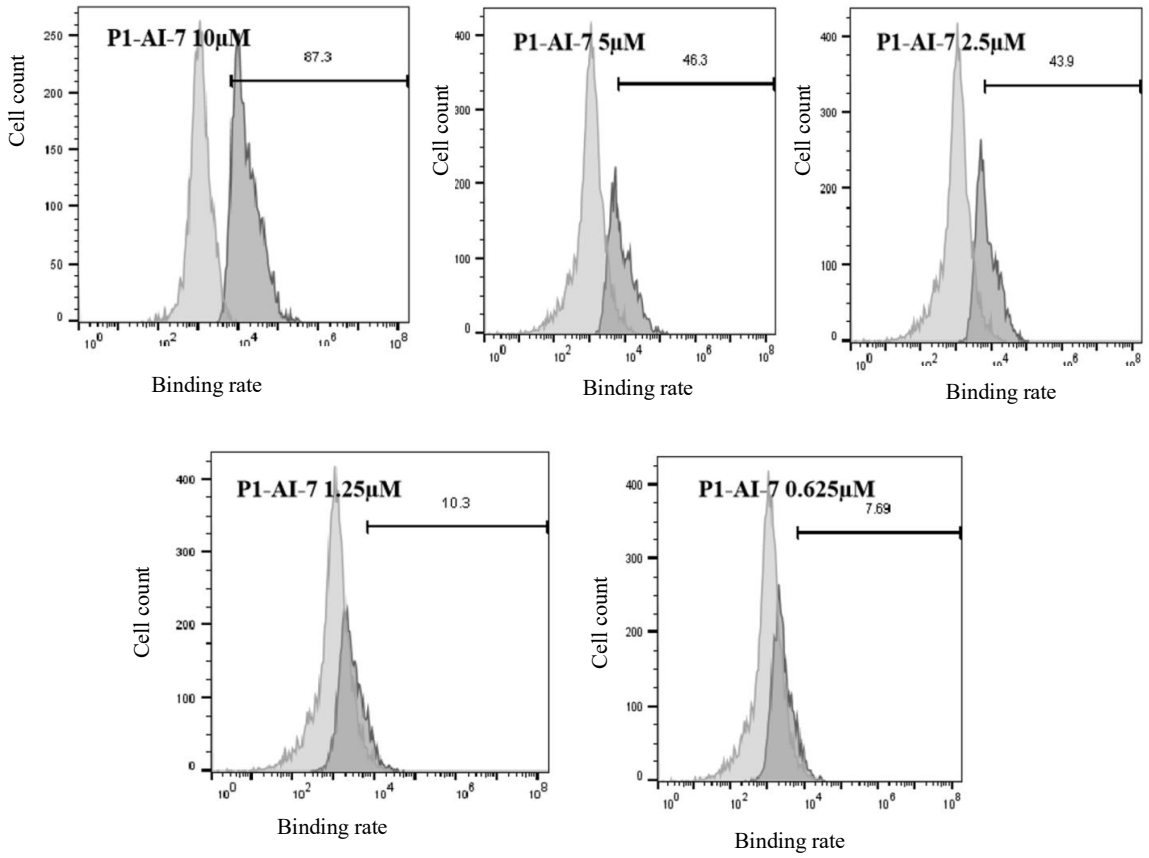


FIG. 12 (continued)

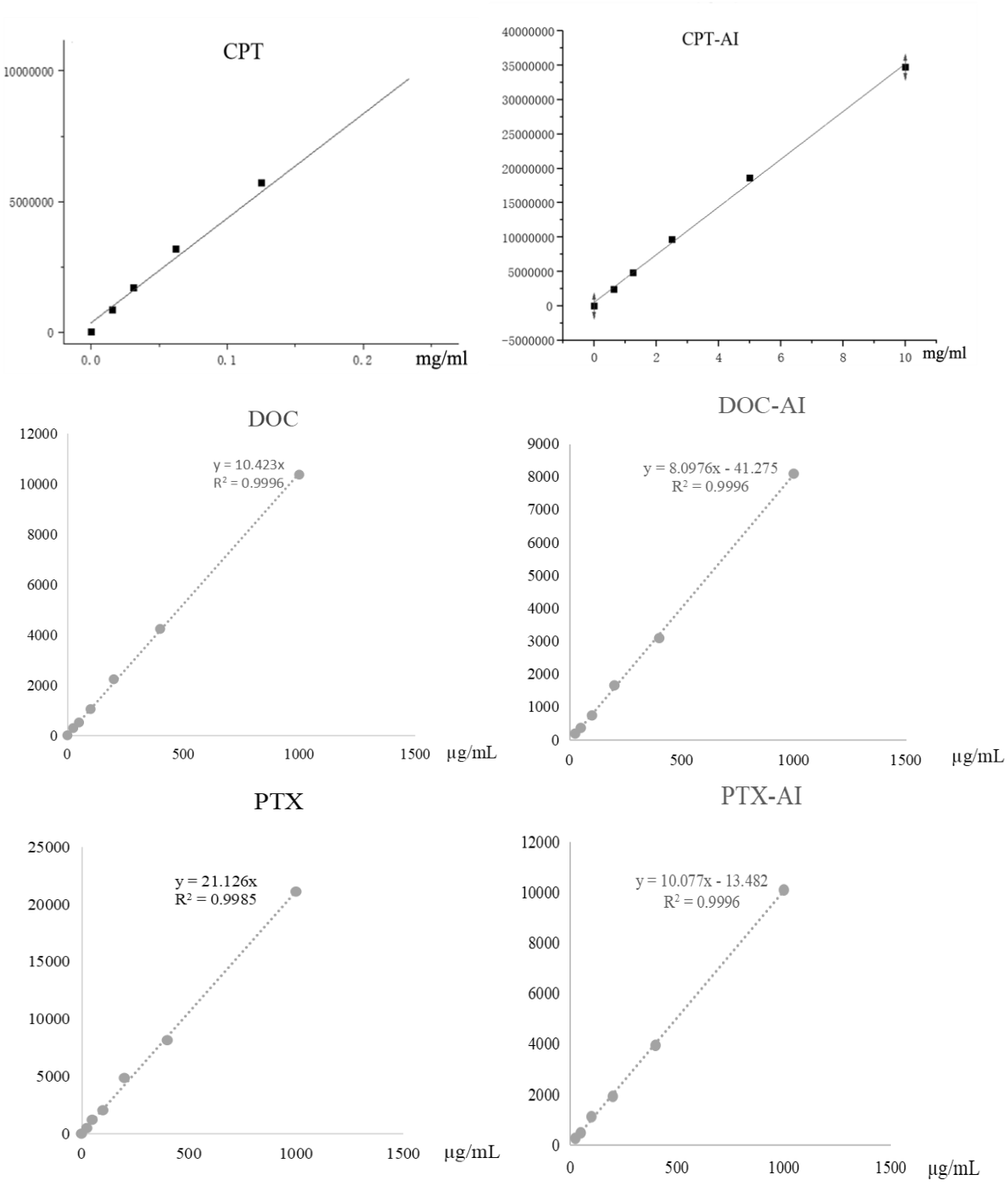

CPT
10000000
5000000
0
0.0
0.1
0.2
mg/ml
CPT-AI
40000000
35000000
30000000
25000000
20000000
15000000
10000000
5000000
0
-5000000
0
2
4
6
8
10
mg/ml
DOC
y = 10.423x
R² = 0.9996
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
µg/mL
DOC-AI
y = 8.0976x - 41.275
R² = 0.9996
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
µg/mL
PTX
y = 21.126x
R² = 0.9985
25000
20000
15000
10000
5000
0
0
500
1000
1500
µg/mL
PTX-AI
y = 10.077x - 13.482
R² = 0.9996
12000
10000
8000
6000
4000
2000
0
0
500
1000
1500
µg/mL

FIG. 13