Fig. 1

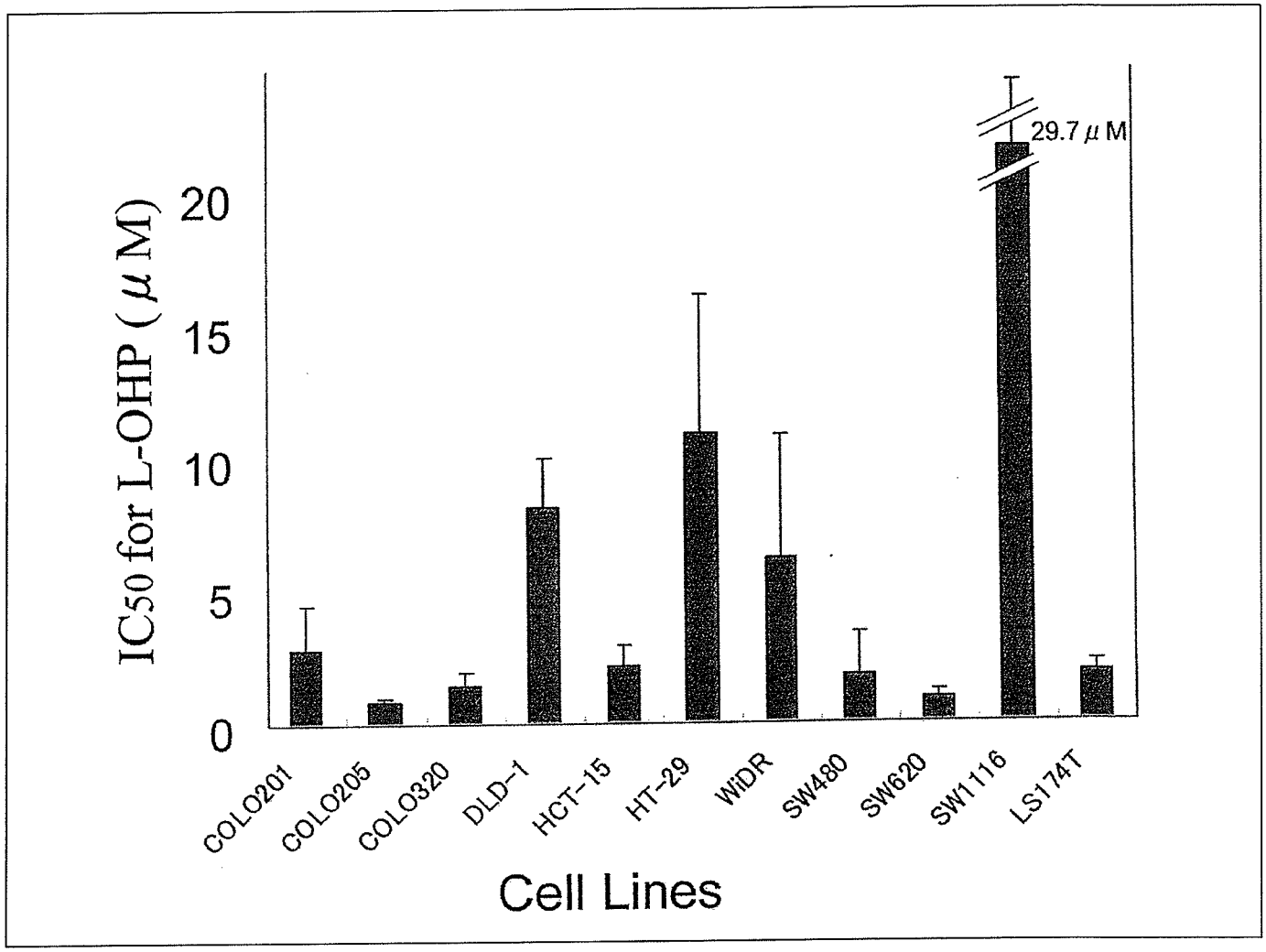

IC50 for L-OHP (μM)
0
5
10
15
20
29.7 μM
COLO201
COLO205
COLO320
DLD-1
HCT-15
HT-29
WiDR
SW480
SW620
SW1116
LS174T
Cell Lines

Fig. 2

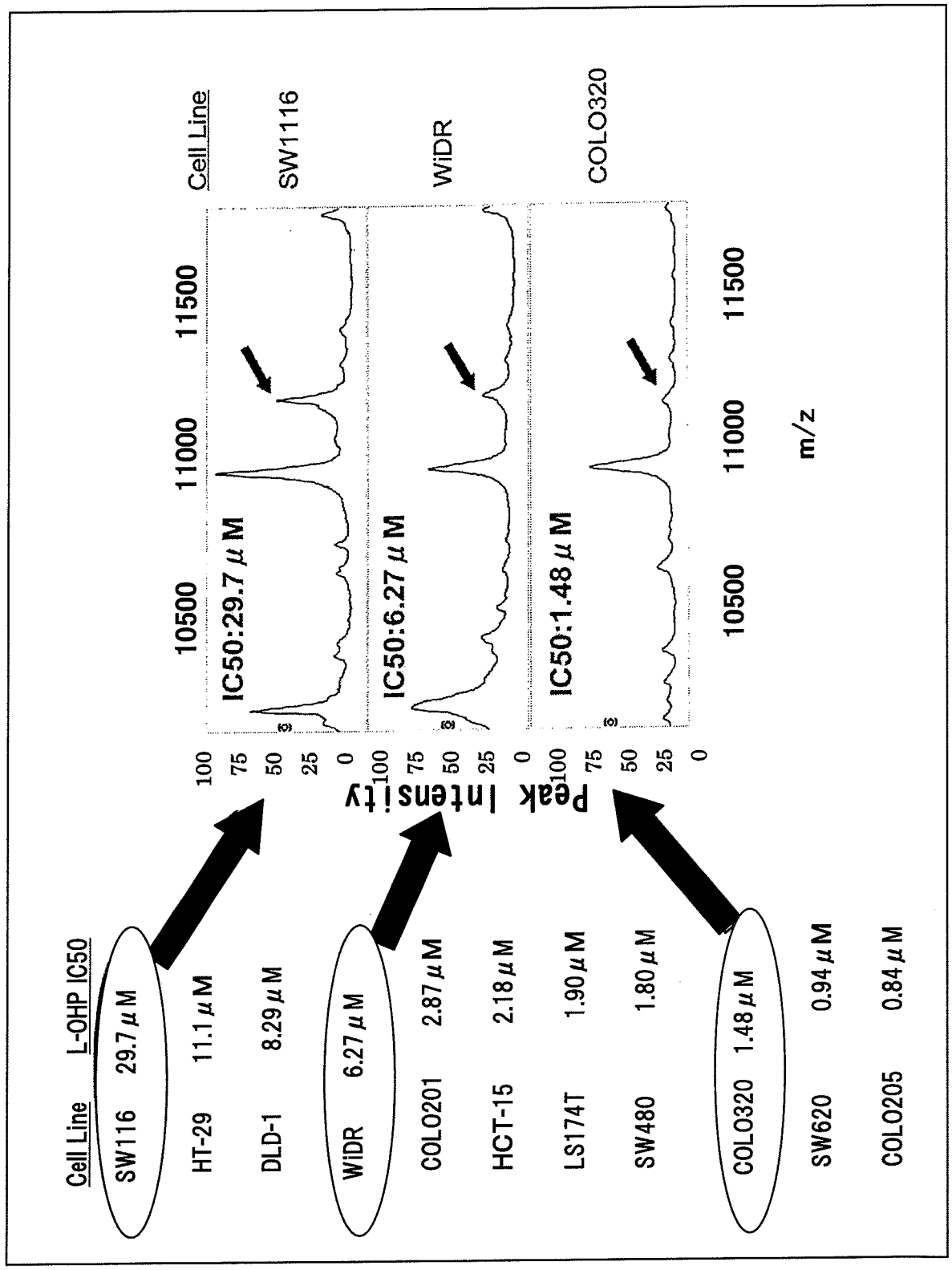

Cell Line L-OHP IC50
SW116 29.7 μM
HT-29 11.1 μM
DLD-1 8.29 μM
WiDR 6.27 μM
COLO201 2.87 μM
HCT-15 2.18 μM
LS174T 1.90 μM
SW480 1.80 μM
COLO320 1.48 μM
SW620 0.94 μM
COLO205 0.84 μM
Cell Line
SW1116
WiDR
COLO320
IC50:29.7 μM
IC50:6.27 μM
IC50:1.48 μM
Peak Intensity
100
75
50
25
0
10500
11000
11500
m/z

Fig. 3

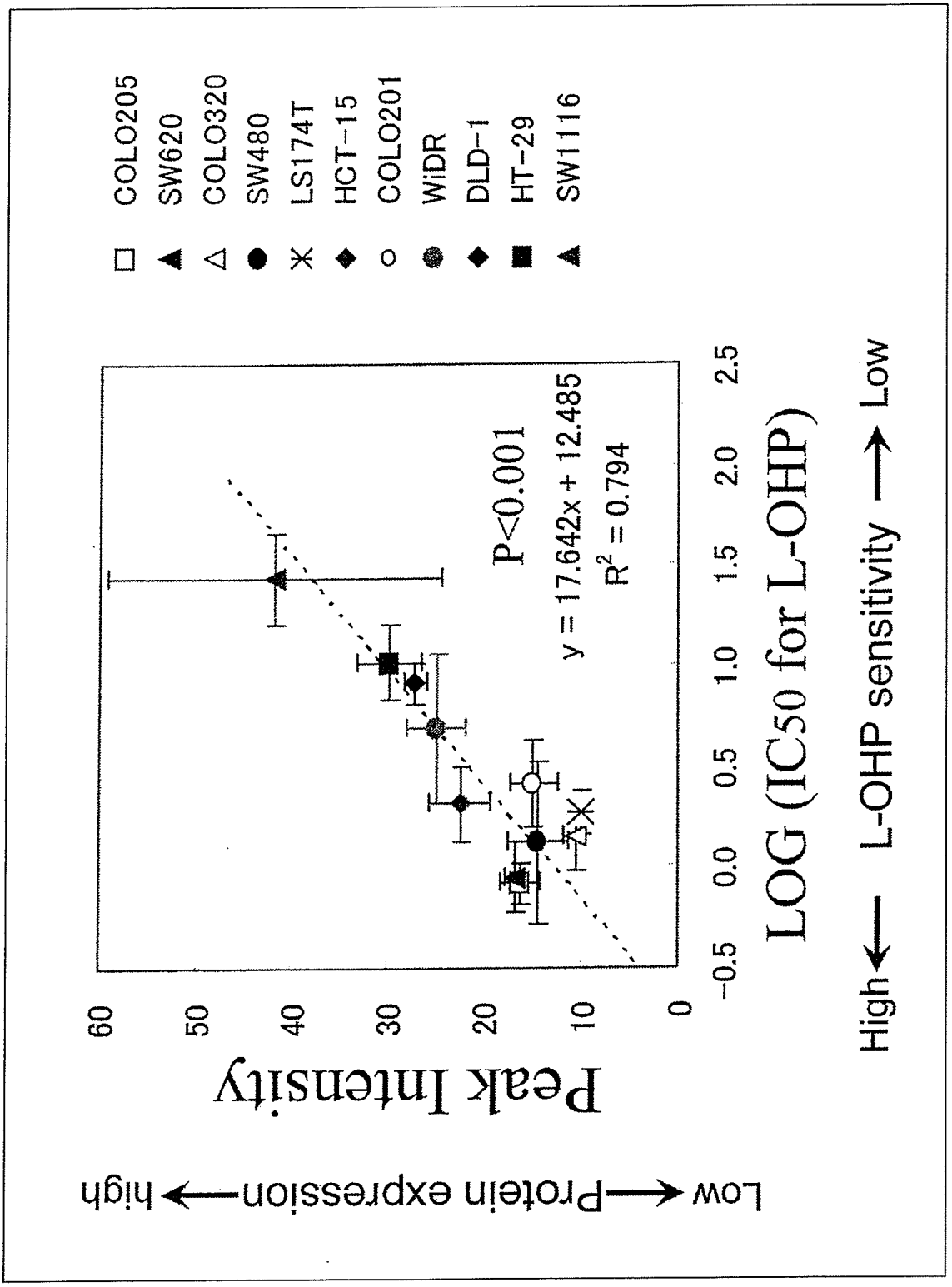

Low ⟷ Protein expression ⟷ high
Peak Intensity
60
50
40
30
20
10
0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
LOG (IC50 for L-OHP)
High ⟵ L-OHP sensitivity ⟶ Low
P<0.001
y = 17.642x + 12.485
R2 = 0.794
COLO205
SW620
COLO320
SW480
LS174T
HCT−15
COLO201
WiDR
DLD−1
HT−29
SW1116

Fig. 4

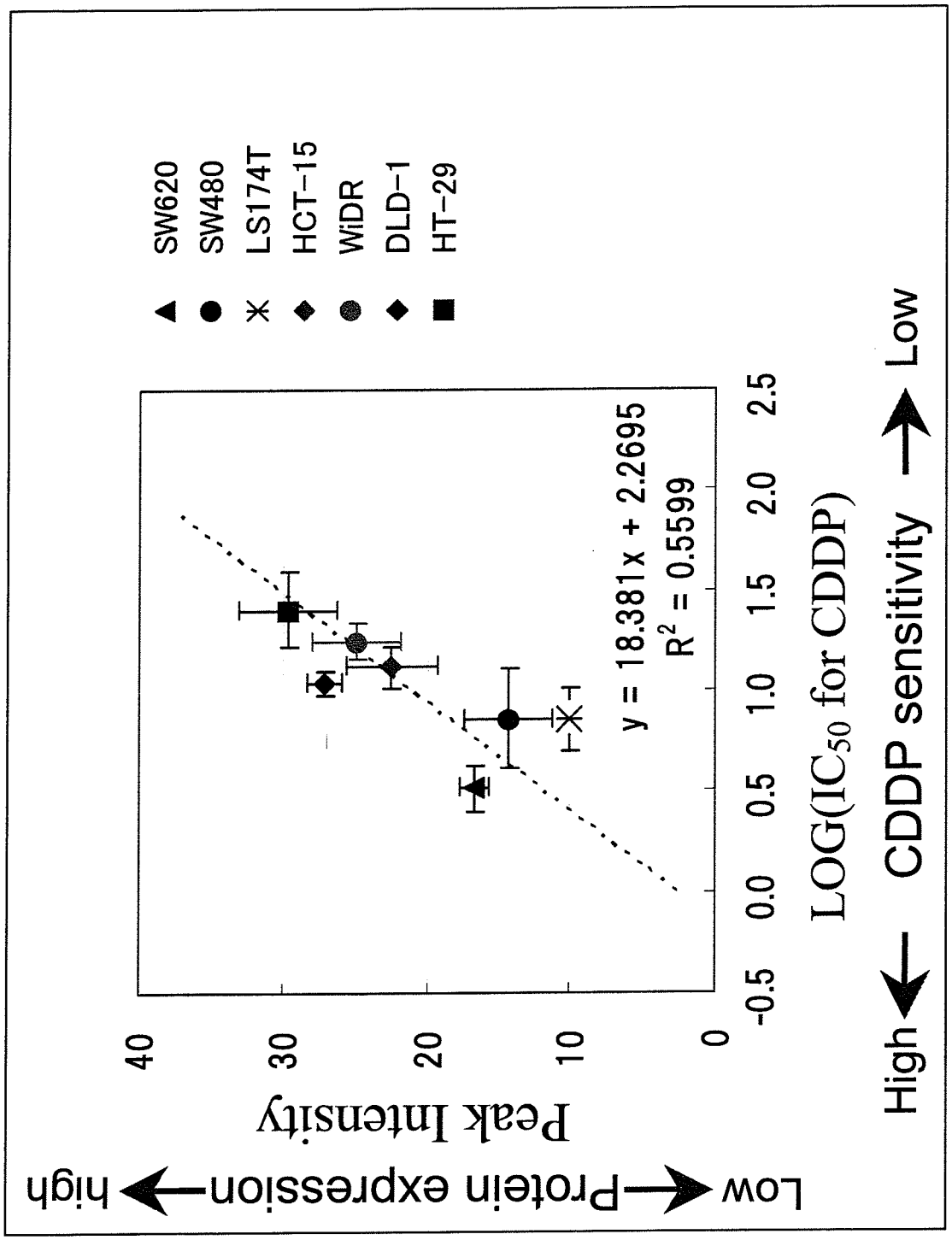

Low ← Protein expression → high
Peak Intensity
40
30
20
10
0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
LOG(IC50 for CDDP)
y = 18.381x + 2.2695
R2 = 0.5599
SW620
SW480
LS174T
HCT-15
WiDR
DLD-1
HT-29
High ← CDDP sensitivity → Low

Fig. 5

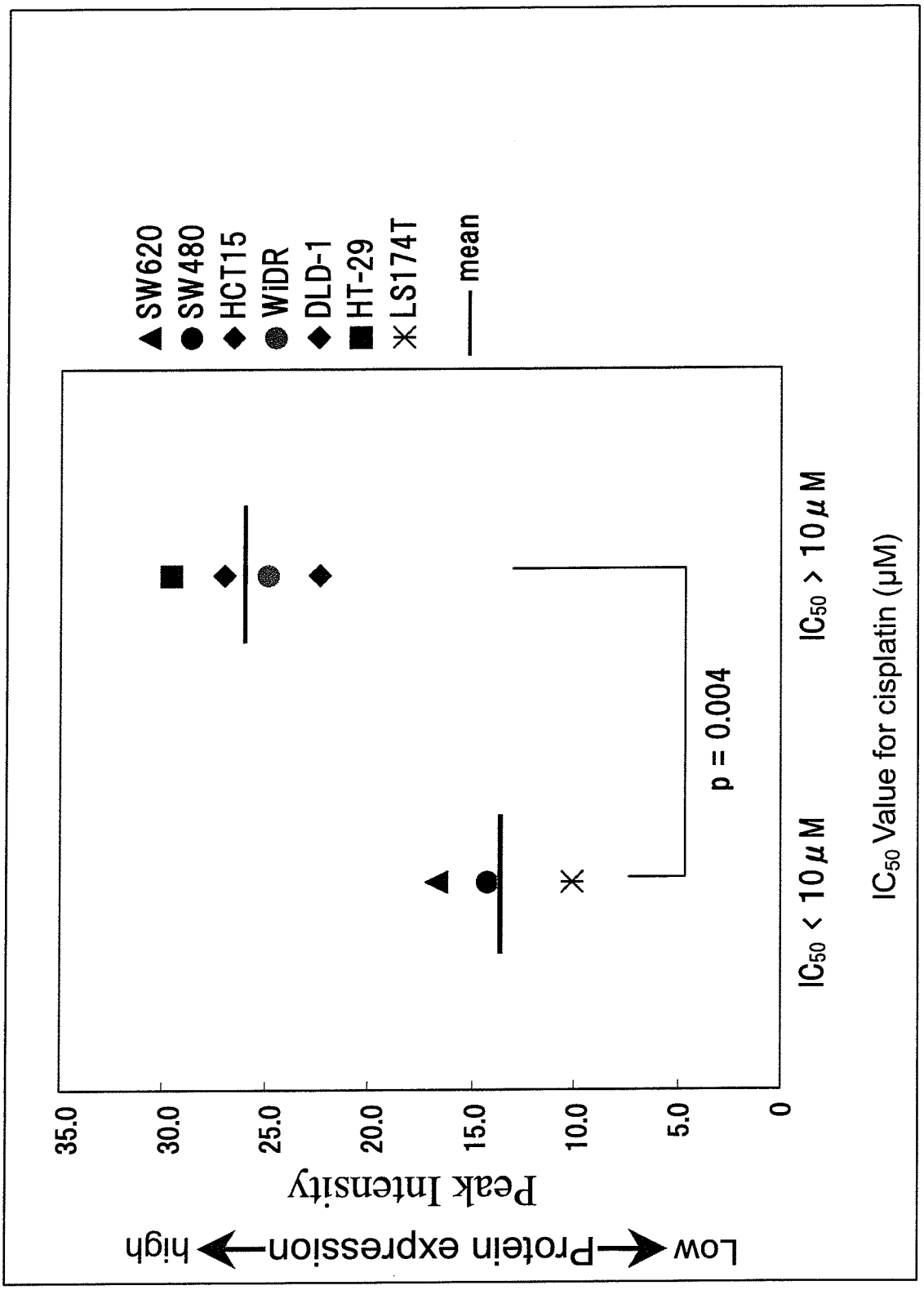

SW620
SW480
HCT15
WiDR
DLD-1
HT-29
LS174T
mean
Low ← Protein expression → high
Peak Intensity
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0
p = 0.004
IC50 < 10 μM
IC50 > 10 μM
IC50 Value for cisplatin (μM)

Fig. 6

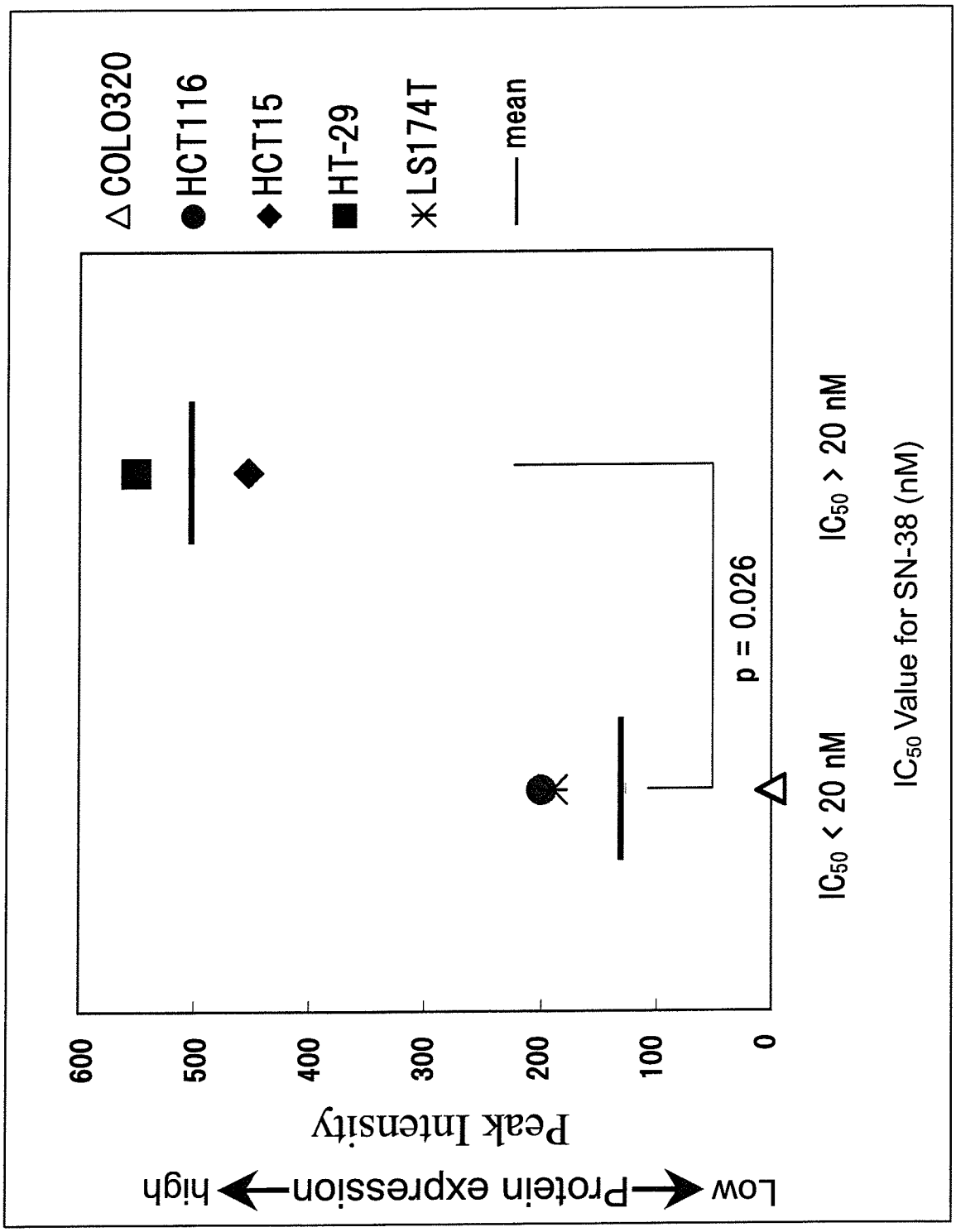

△COLO320
●HCT116
◆HCT15
■HT-29
✳LS174T
mean
Low ←Protein expression→ high
Peak Intensity
600
500
400
300
200
100
0
p = 0.026
IC50 < 20 nM
IC50 > 20 nM
IC50 Value for SN-38 (nM)

Fig. 7

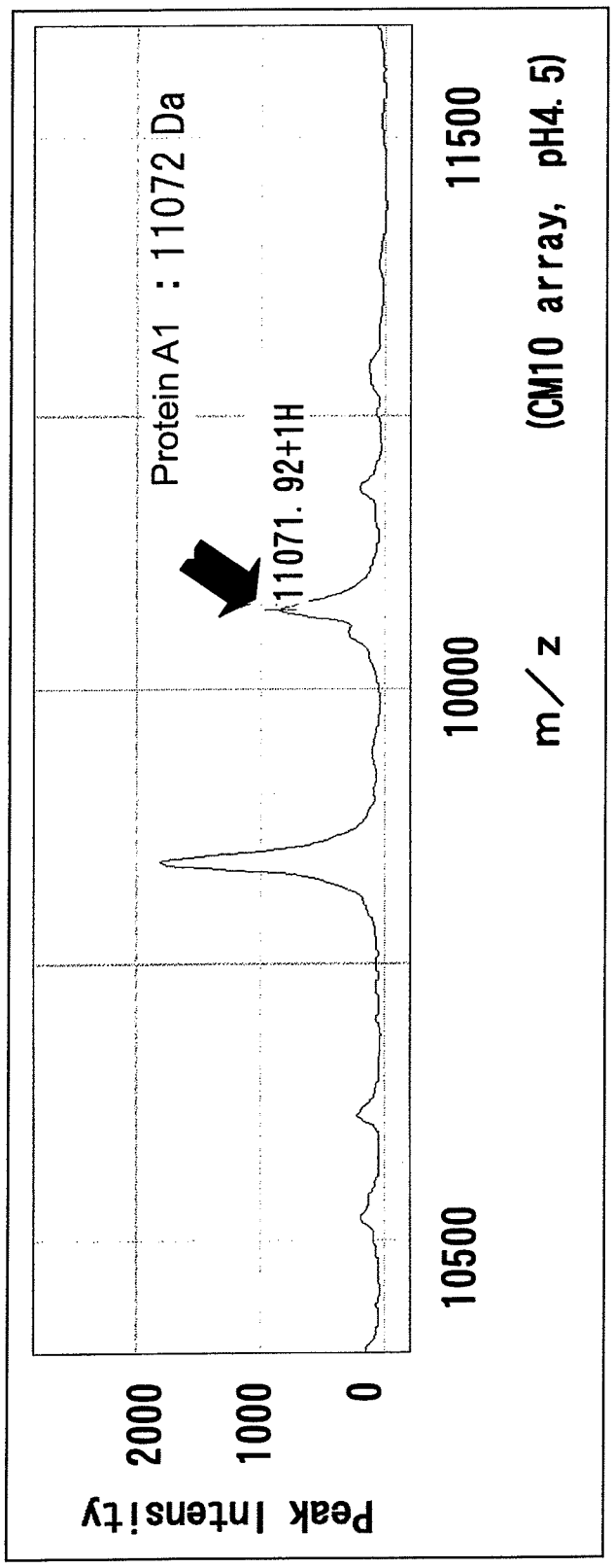

Peak Intensity
2000
1000
0
10500
10000
11500
m/z
(CM10 array, pH4.5)
11071.92+1H
Protein A1 : 11072 Da

Fig. 8

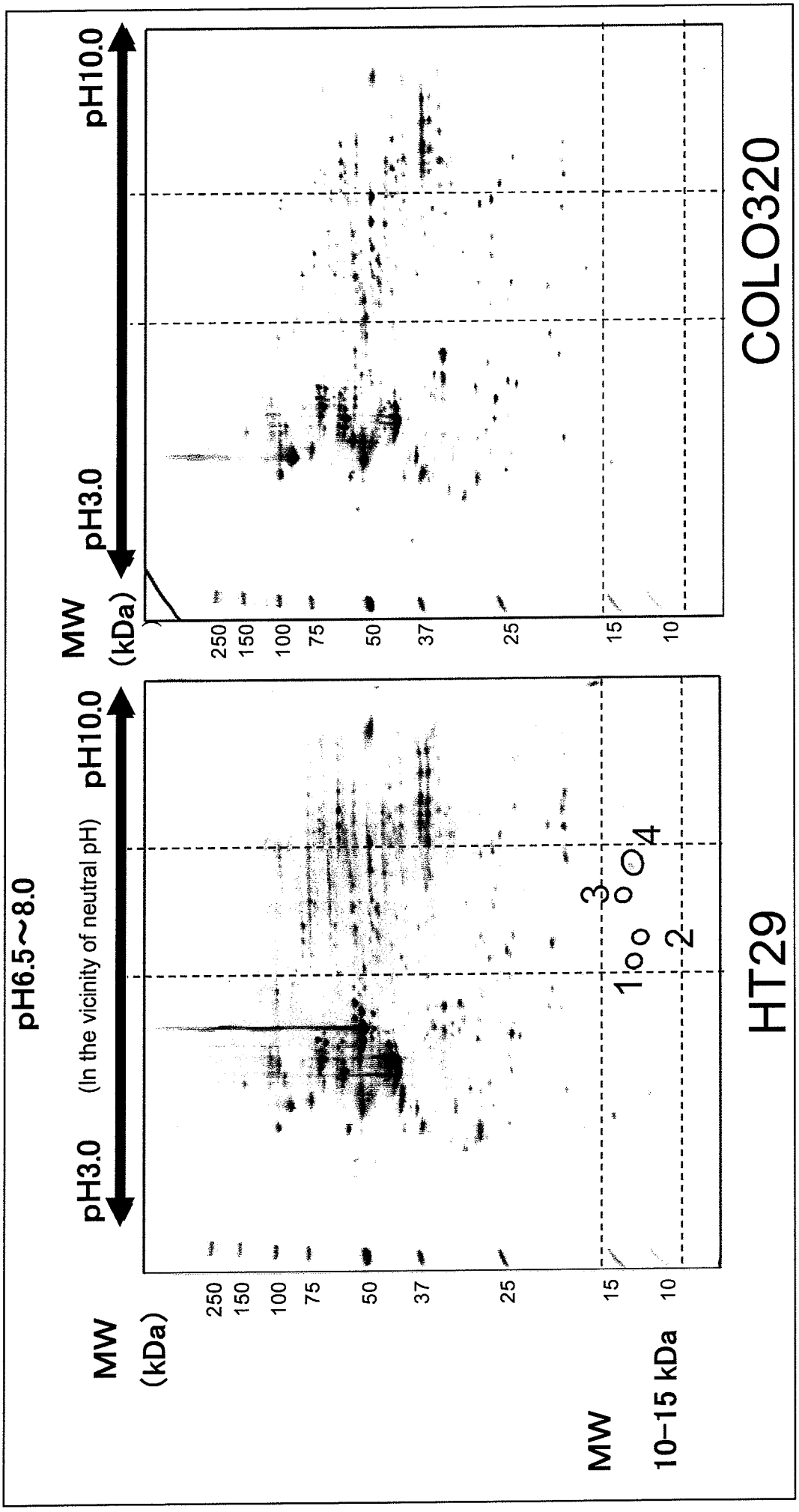

pH6.5~8.0
(In the vicinity of neutral pH)
pH3.0
pH10.0
MW
(kDa)
250
150
100
75
50
37
25
15
10
HT29
COLO320
MW
10–15 kDa
1
2
3
4

Fig. 9

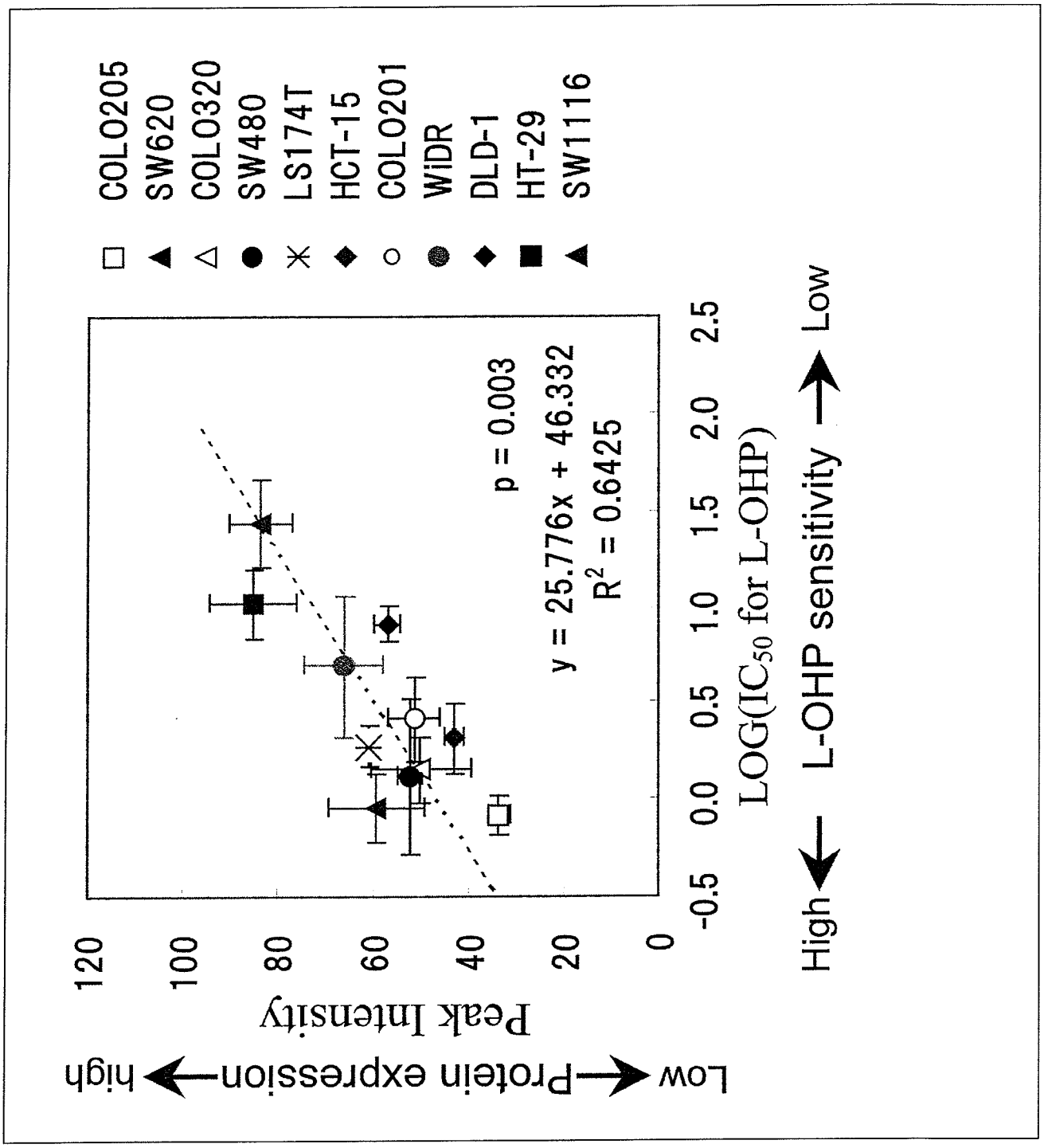

COLO205
SW620
COLO320
SW480
LS174T
HCT-15
COLO201
WiDR
DLD-1
HT-29
SW1116
p = 0.003
y = 25.776x + 46.332
R2 = 0.6425
120
100
80
60
40
20
0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
Peak Intensity
LOG(IC50 for L-OHP)
Low ← Protein expression → high
High ← L-OHP sensitivity → Low

Fig. 10

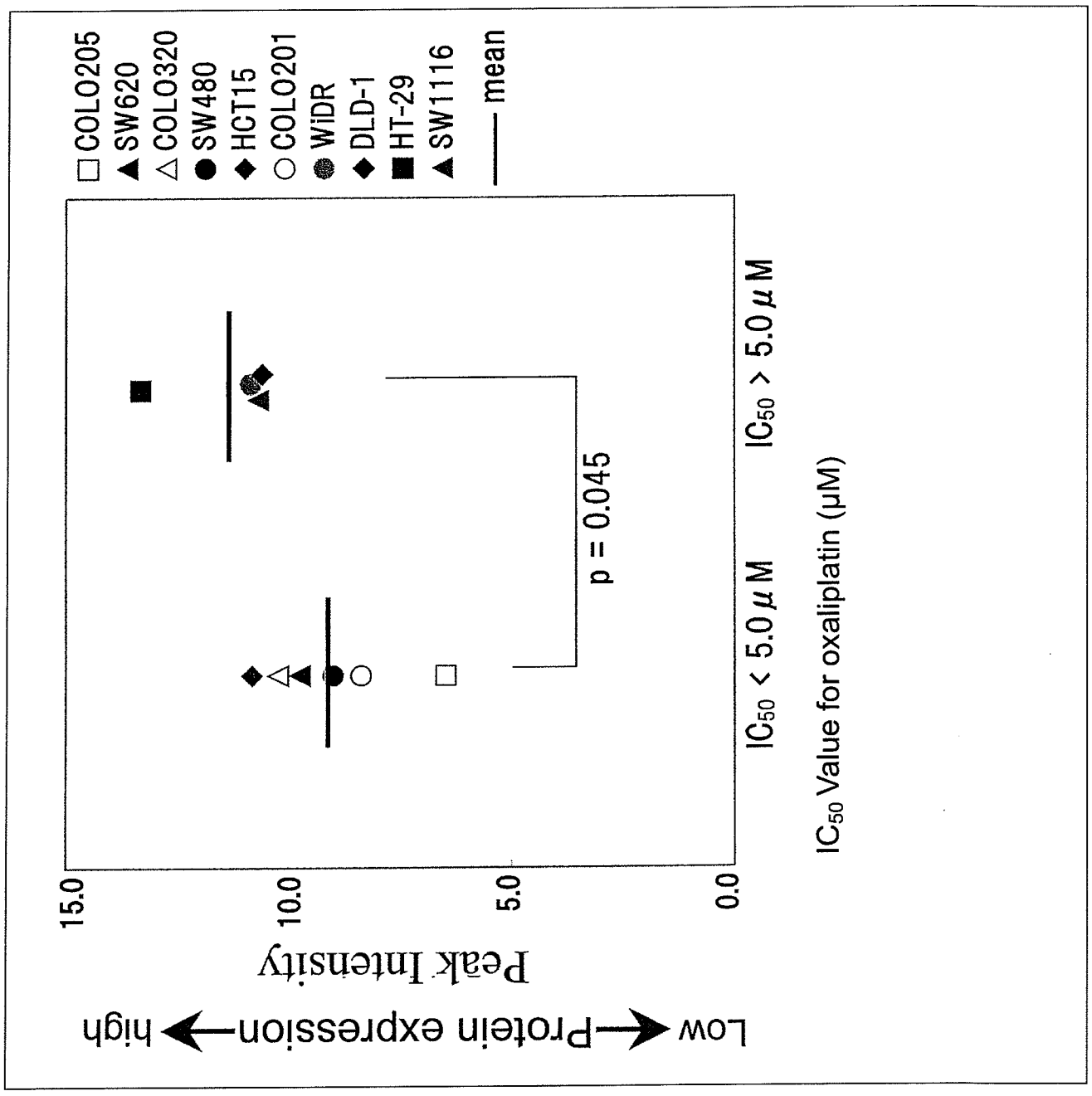
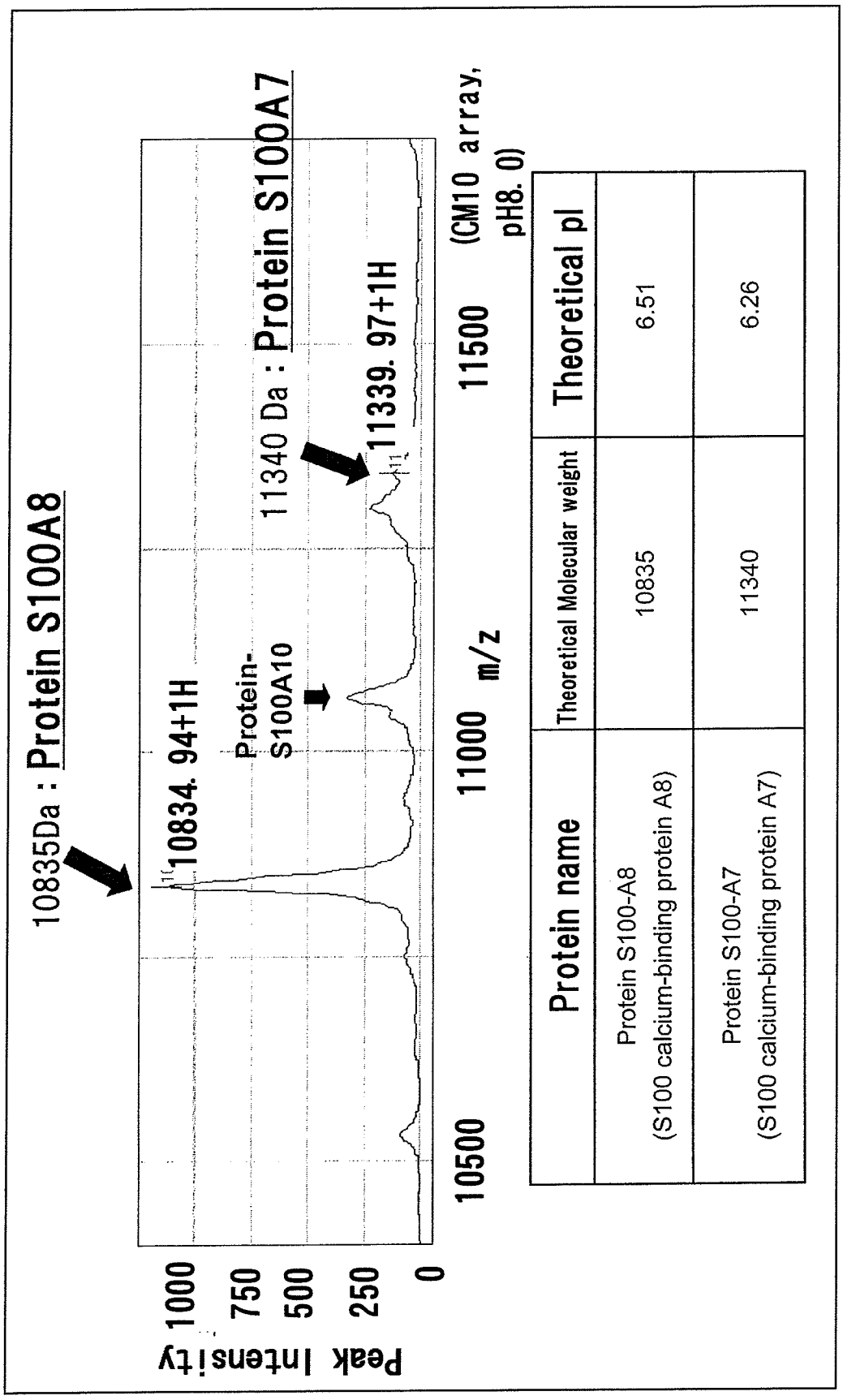

□ COLO205
▲ SW620
△ COLO320
● SW480
◆ HCT15
○ COLO201
● WiDR
◆ DLD-1
■ HT-29
▲ SW1116
mean
Low ← Protein expression → high
Peak Intensity
15.0
10.0
5.0
0.0
p = 0.045
IC50 < 5.0 μM
IC50 > 5.0 μM
IC50 Value for oxaliplatin (μM)

Fig. 11



Protein name	Theoretical Molecular weight	Theoretical pI
Protein S100-A8 (S100 calcium-binding protein A8)	10835	6.51
Protein S100-A7 (S100 calcium-binding protein A7)	11340	6.26

Fig. 12

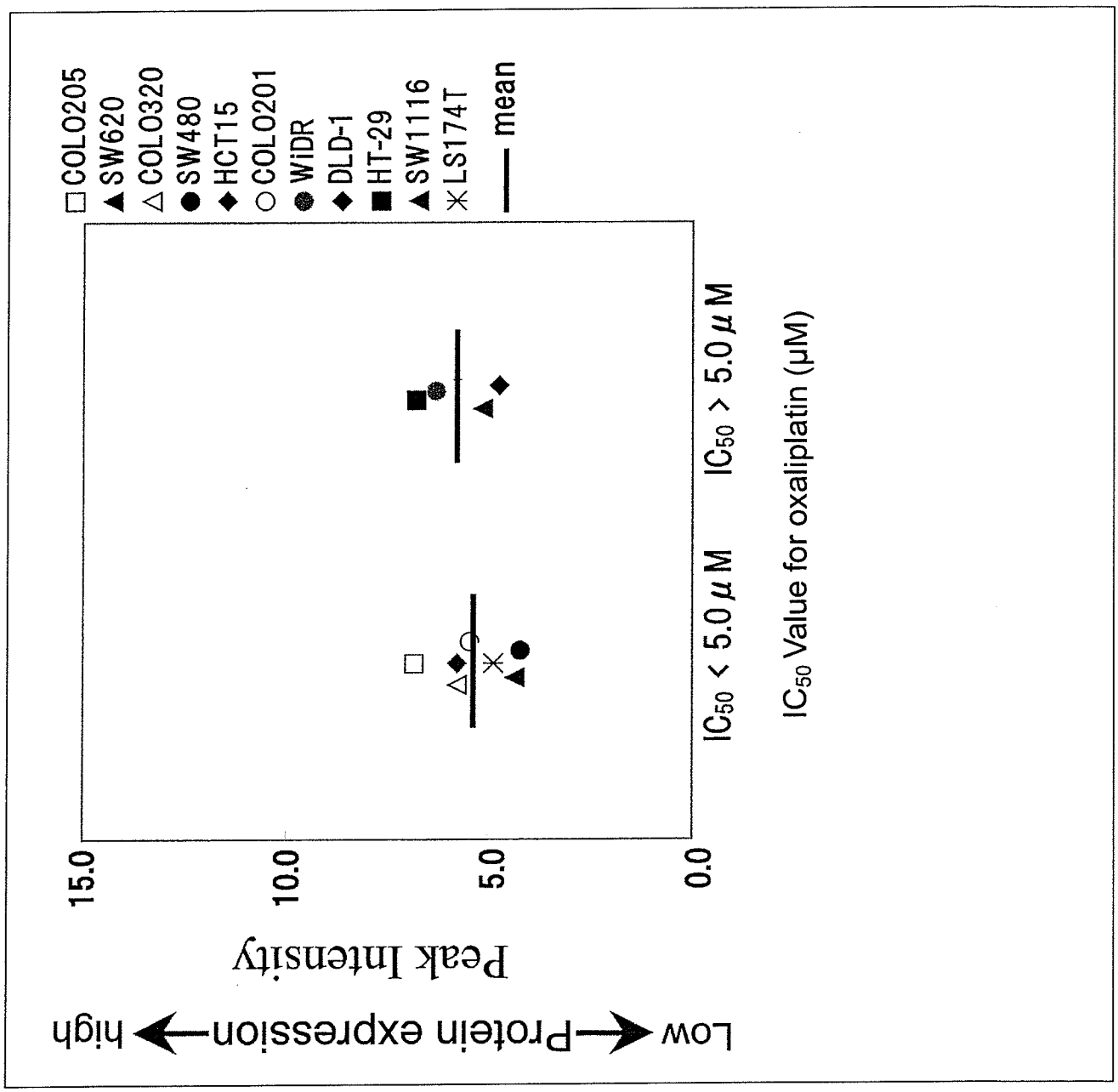

□COLO205
▲SW620
△COLO320
●SW480
◆HCT15
○COLO201
●WiDR
◆DLD-1
■HT-29
▲SW1116
✳LS174T
— mean
15.0
10.0
5.0
0.0
Peak Intensity
Low ← Protein expression → high
IC50 < 5.0 μM
IC50 > 5.0 μM
IC50 Value for oxaliplatin (μM)

Fig. 13

