Figure 1

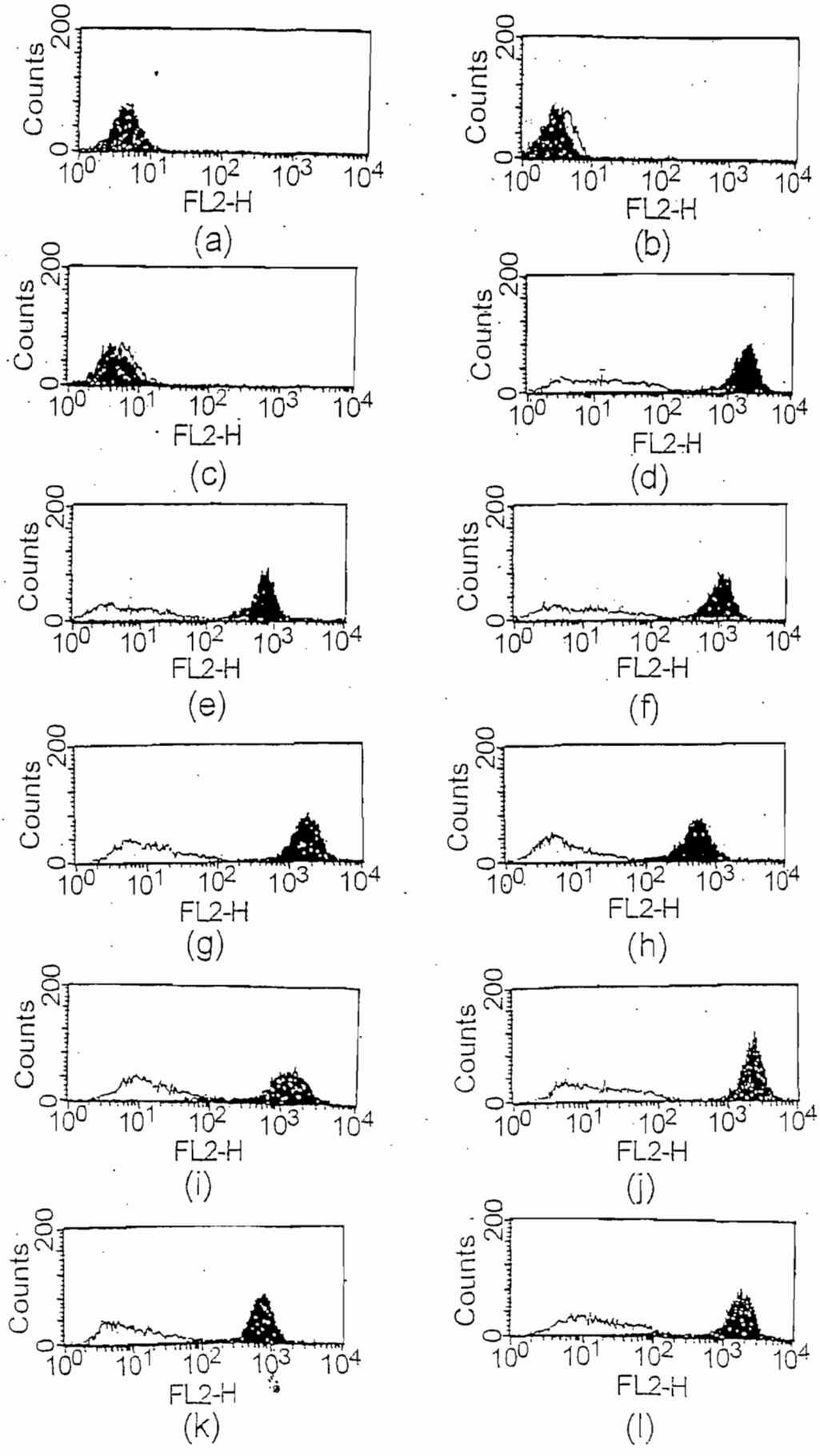


Figure 2

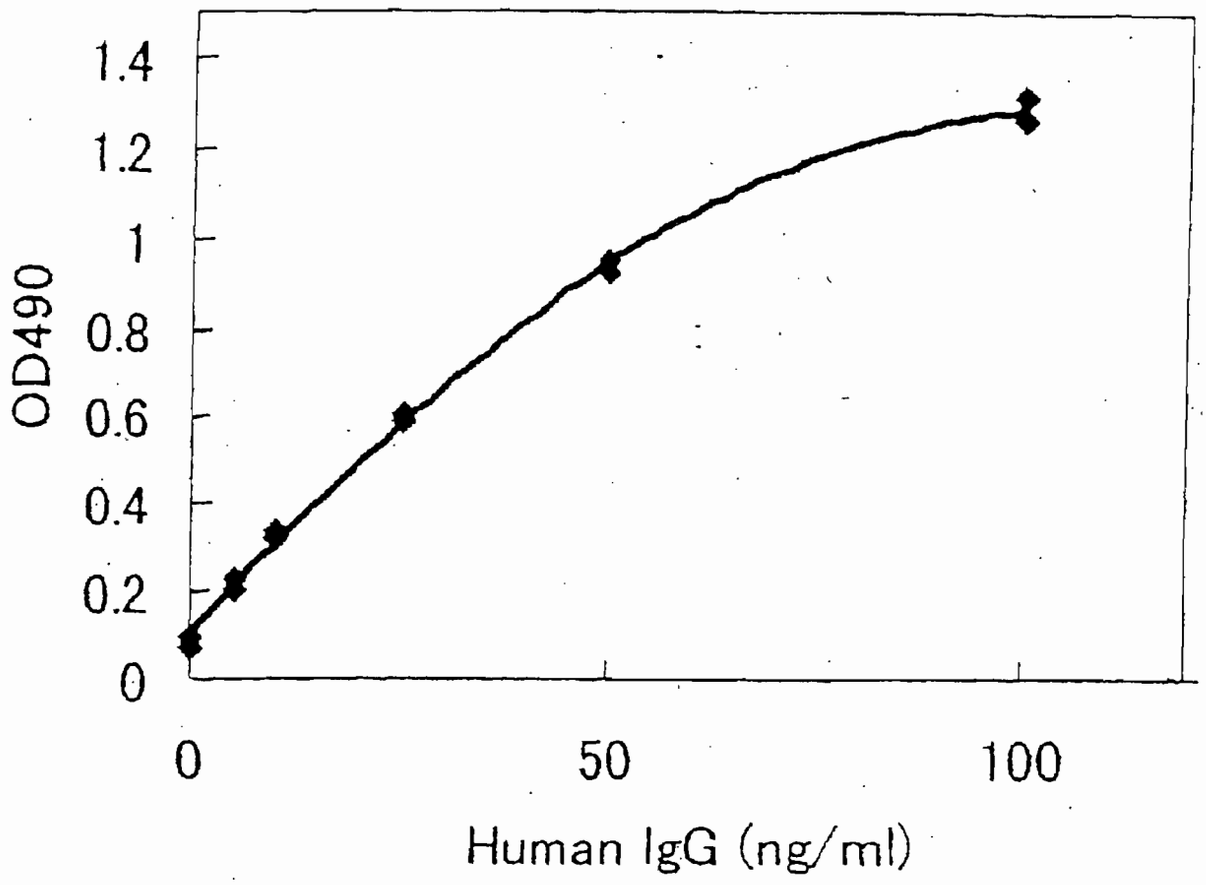


Figure 3

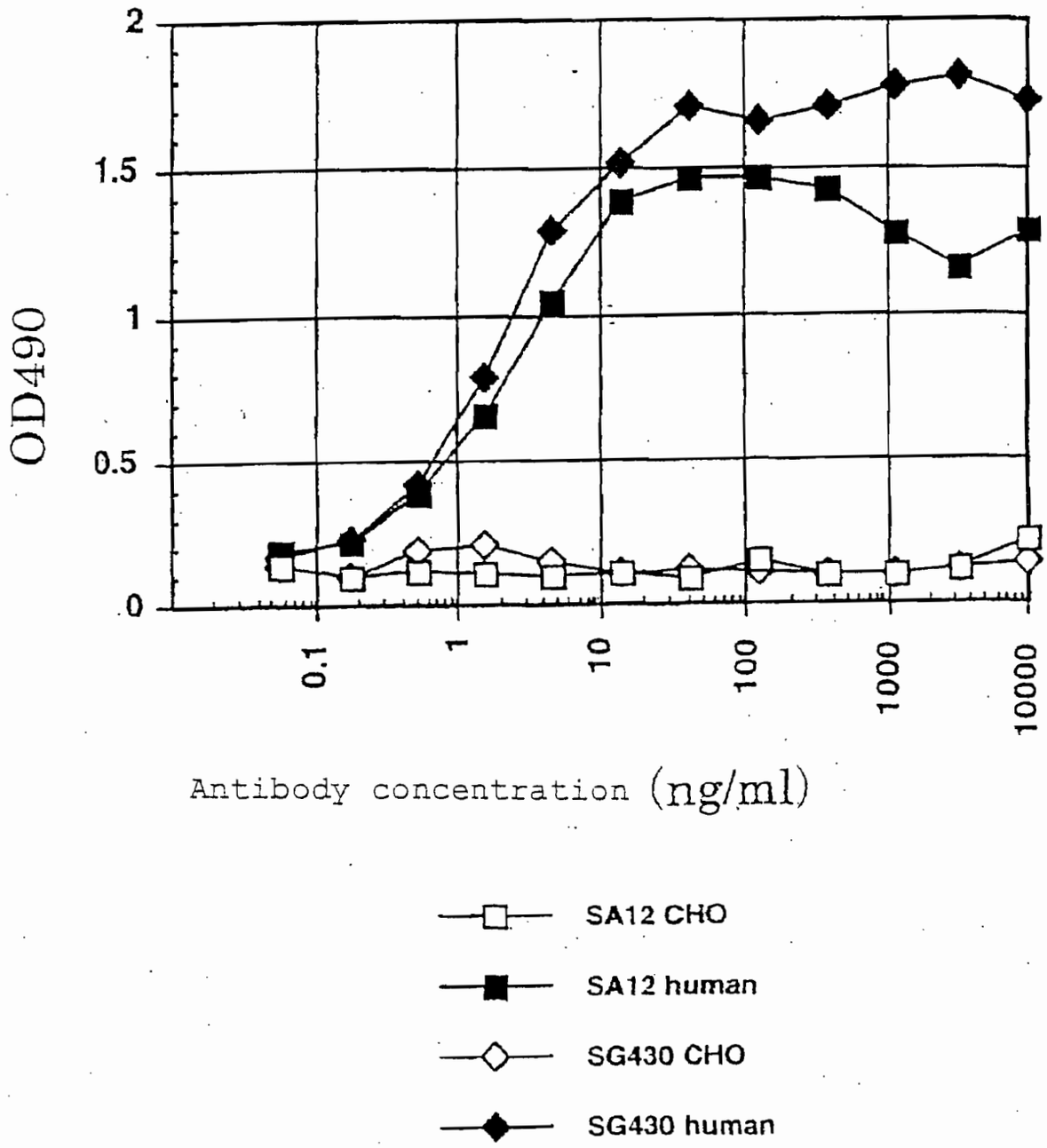

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
SA12 CHO
SA12 human
SG430 CHO
SG430 human

Figure 4

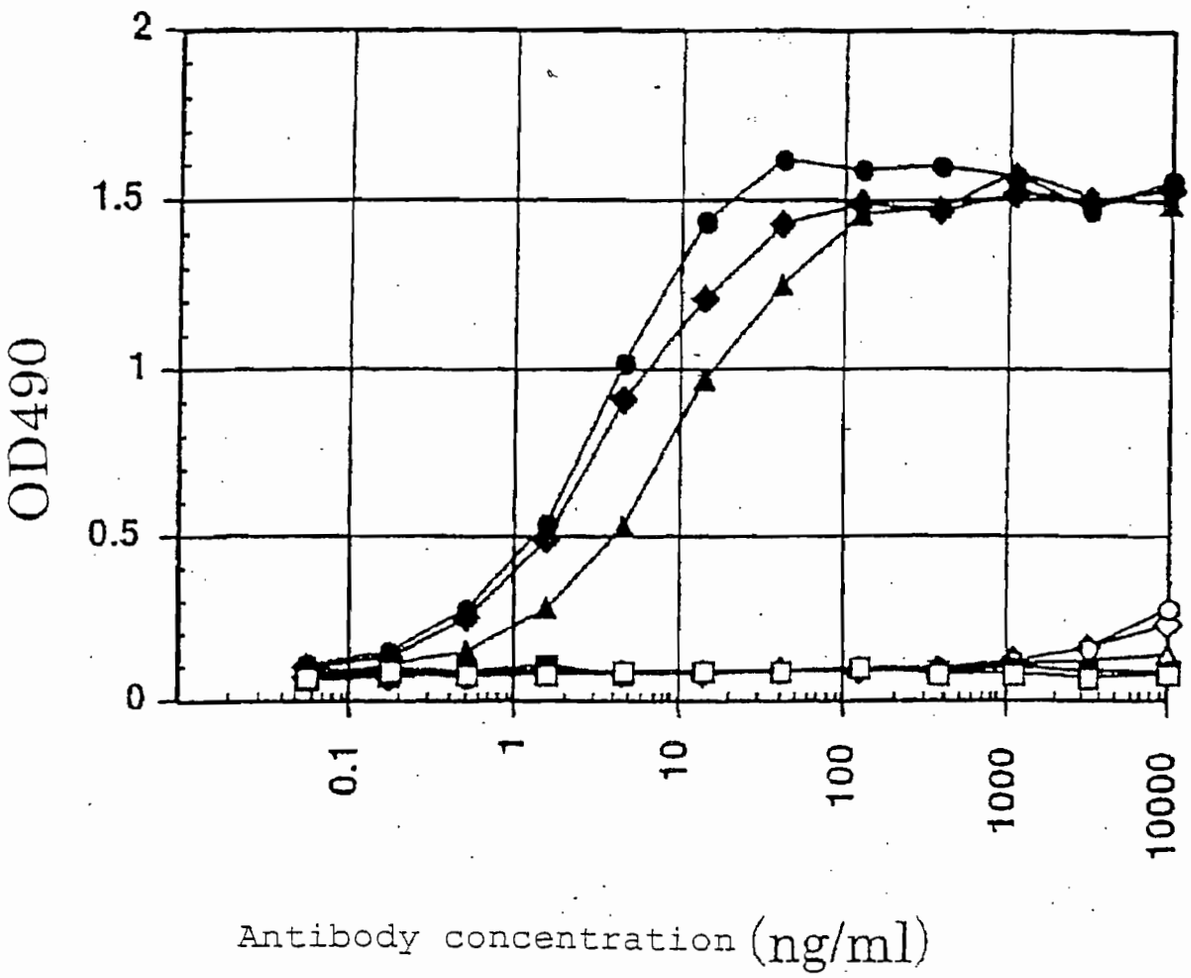
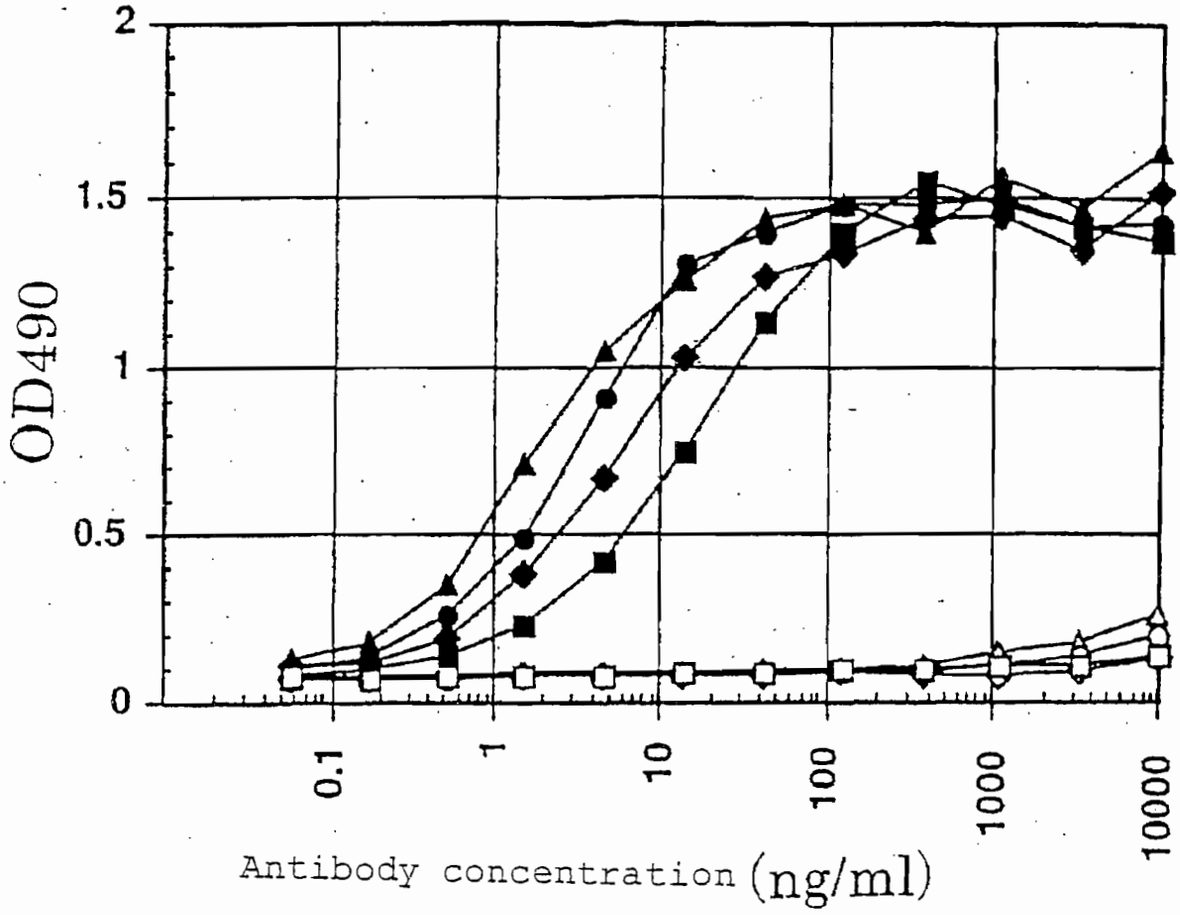

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
KLH CHO
KLH human
JMAb124 CHO
JMAb124 human
JMAb126 CHO
JMAb126 human
JMAb127 CHO
JMAb127 human

Figure 5



JMAb128 CHO

JMAb128 human

JMAb135 CHO

JMAb135 human

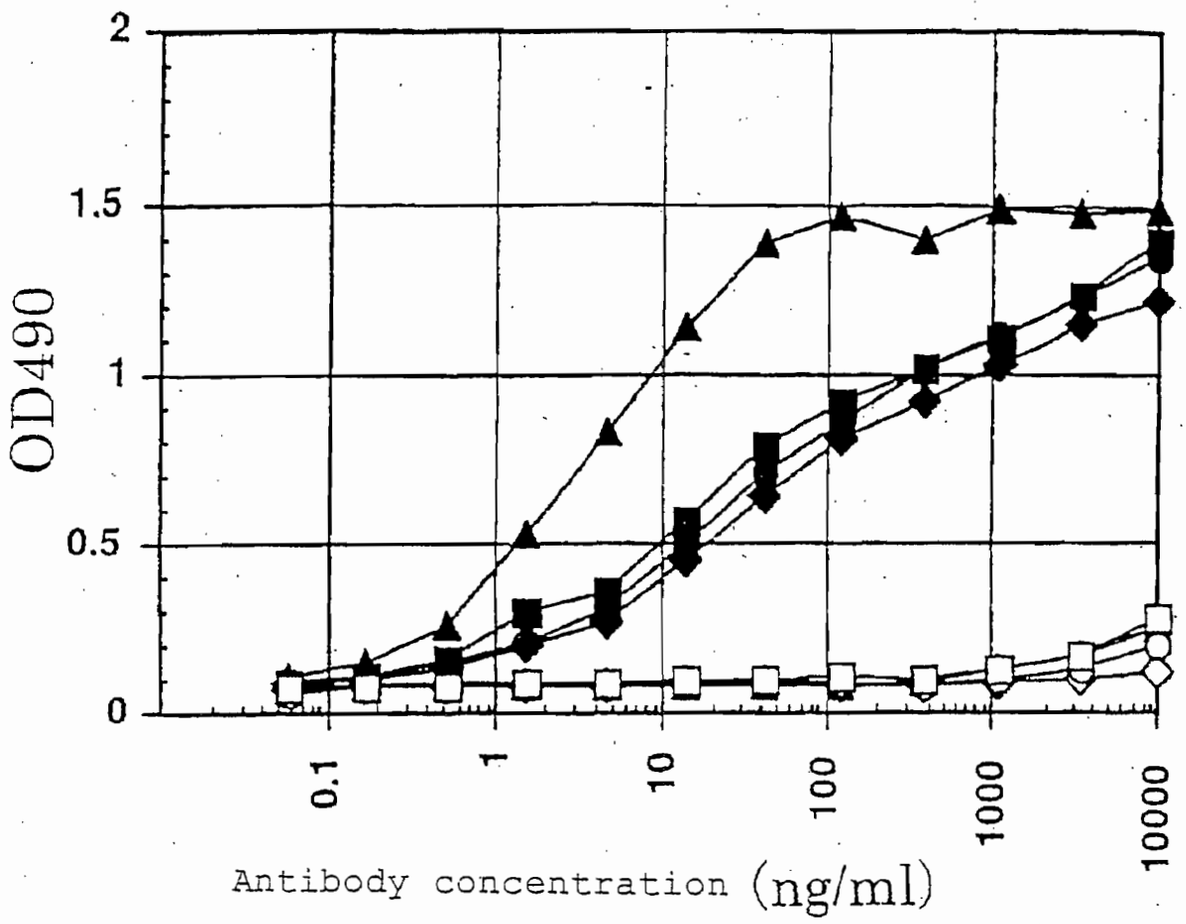
JMAb136 CHO

JMAb136 human

JMAb137 CHO

JMAb137 human

Figure 6



JMAb138 CHO

JMAb138 human

JMAb139 CHO

JMAb139 human

JMAb140 CHO

JMAb140 human

JMAb141 CHO

JMAb141 human

Figure 7

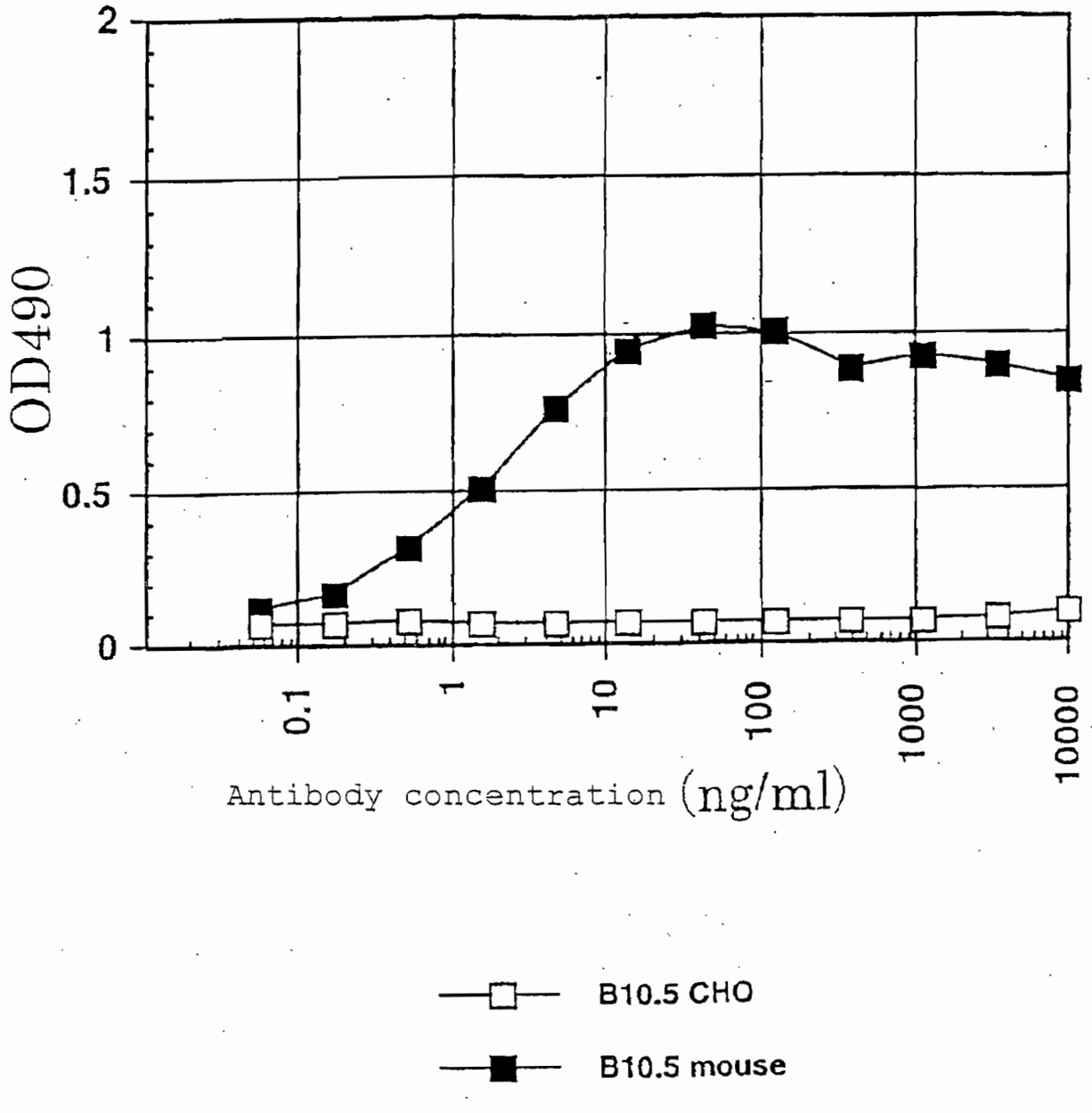
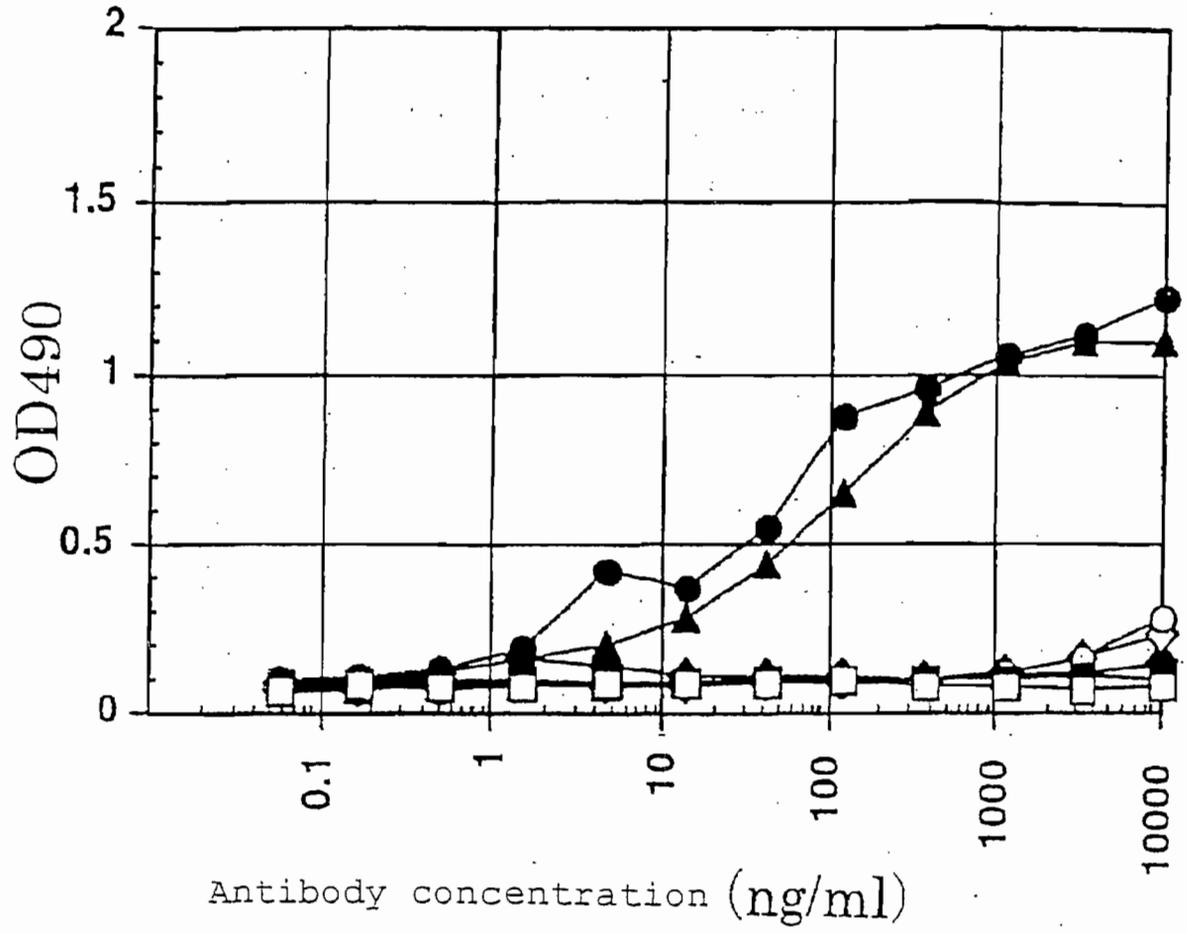

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
B10.5 CHO
B10.5 mouse

Figure 8



KLH CHO

KLH mouse

JMAb124 CHO

JMAb124 mouse

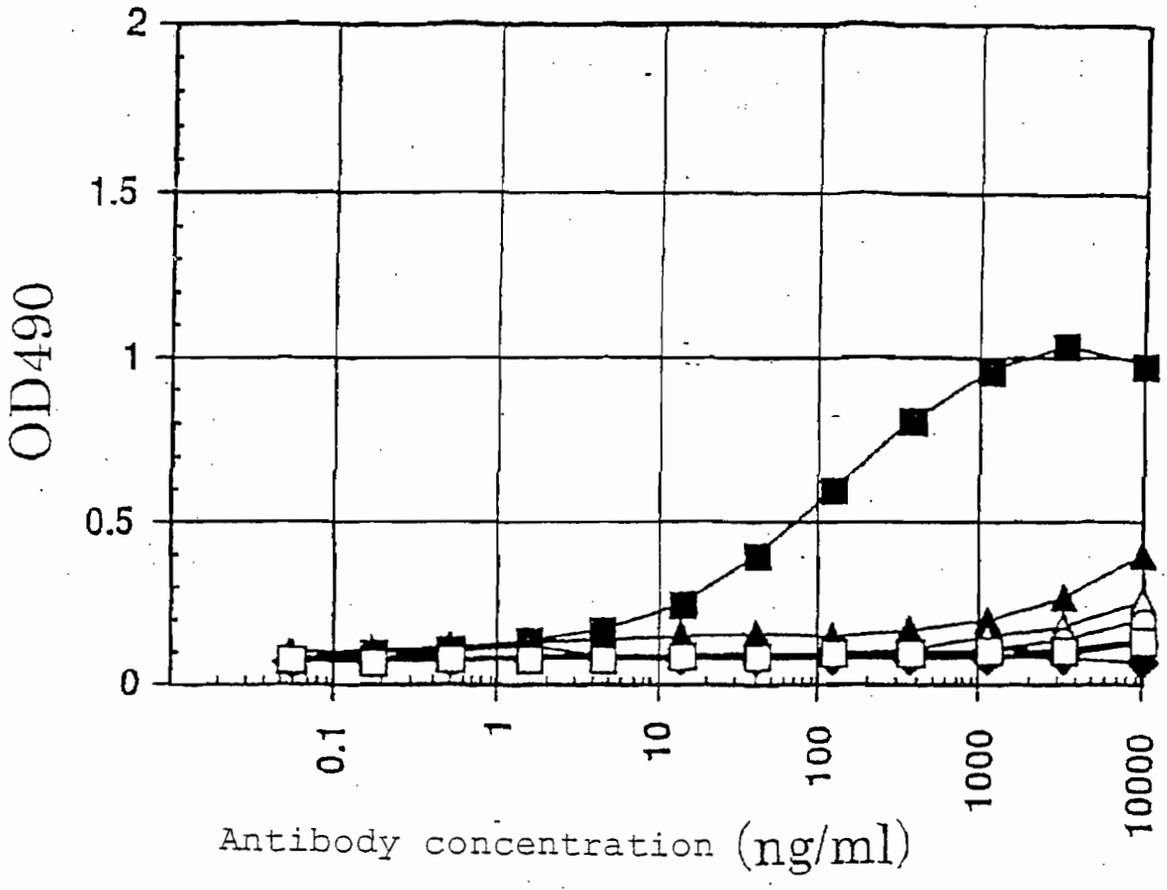
JMAb126 CHO

JMAb126 mouse

JMAb127 CHO

JMAb127 mouse

Figure 9


2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)

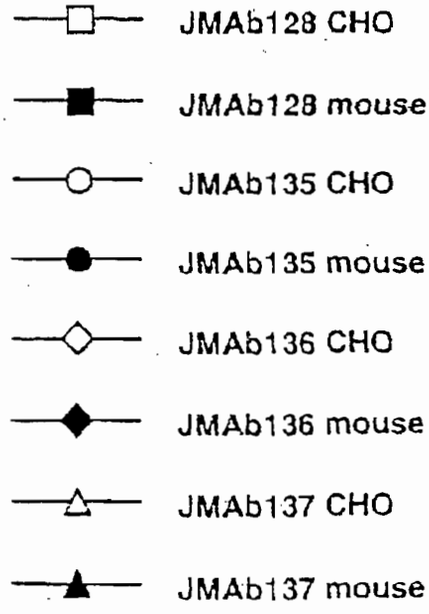
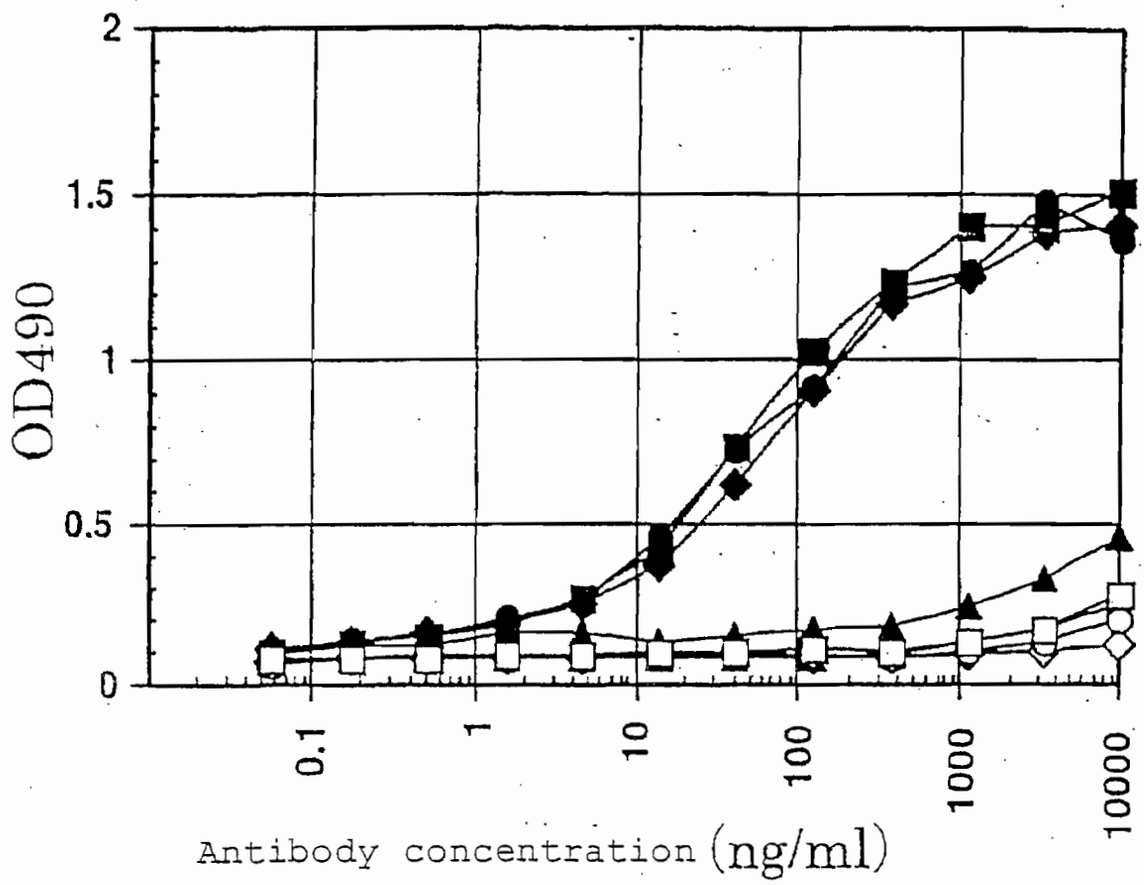

JMAb128 CHO
JMAb128 mouse
JMAb135 CHO
JMAb135 mouse
JMAb136 CHO
JMAb136 mouse
JMAb137 CHO
JMAb137 mouse

Figure 10


2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)

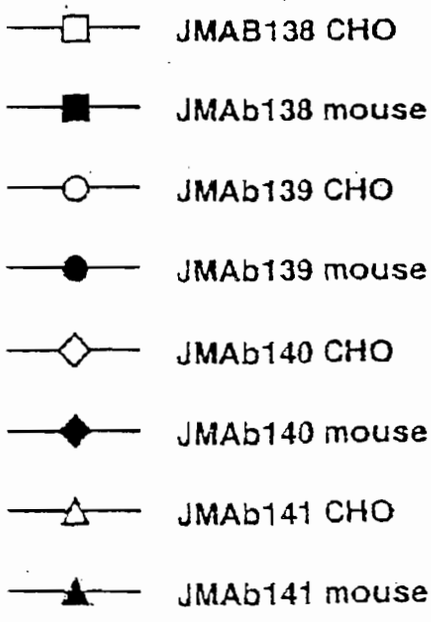

JMAB138 CHO
JMAb138 mouse
JMAb139 CHO
JMAb139 mouse
JMAb140 CHO
JMAb140 mouse
JMAb141 CHO
JMAb141 mouse

Figure 11

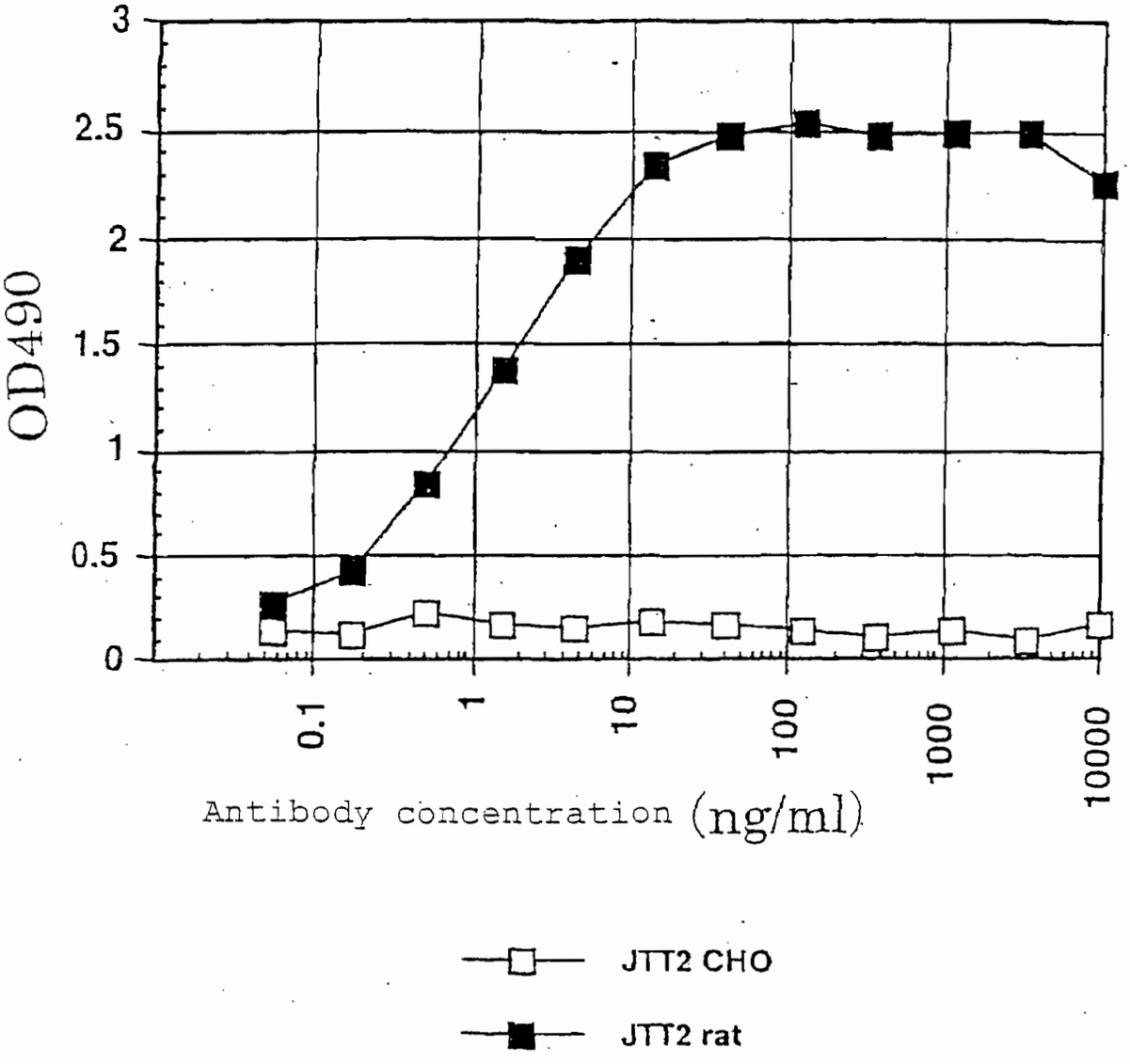

OD490
3
2.5
2
1.5
1
0.5
0
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JTT2 CHO
JTT2 rat

Figure 12

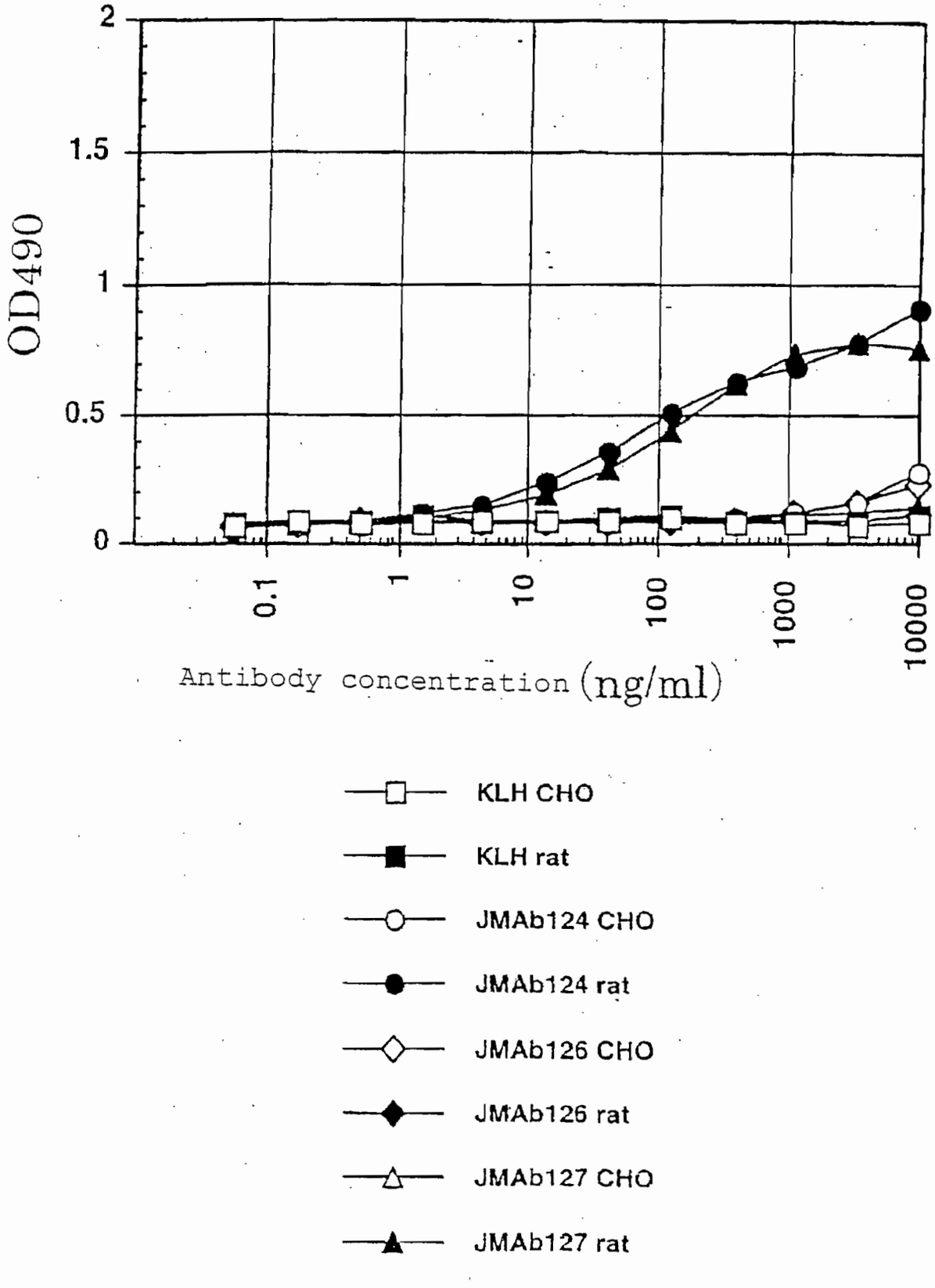
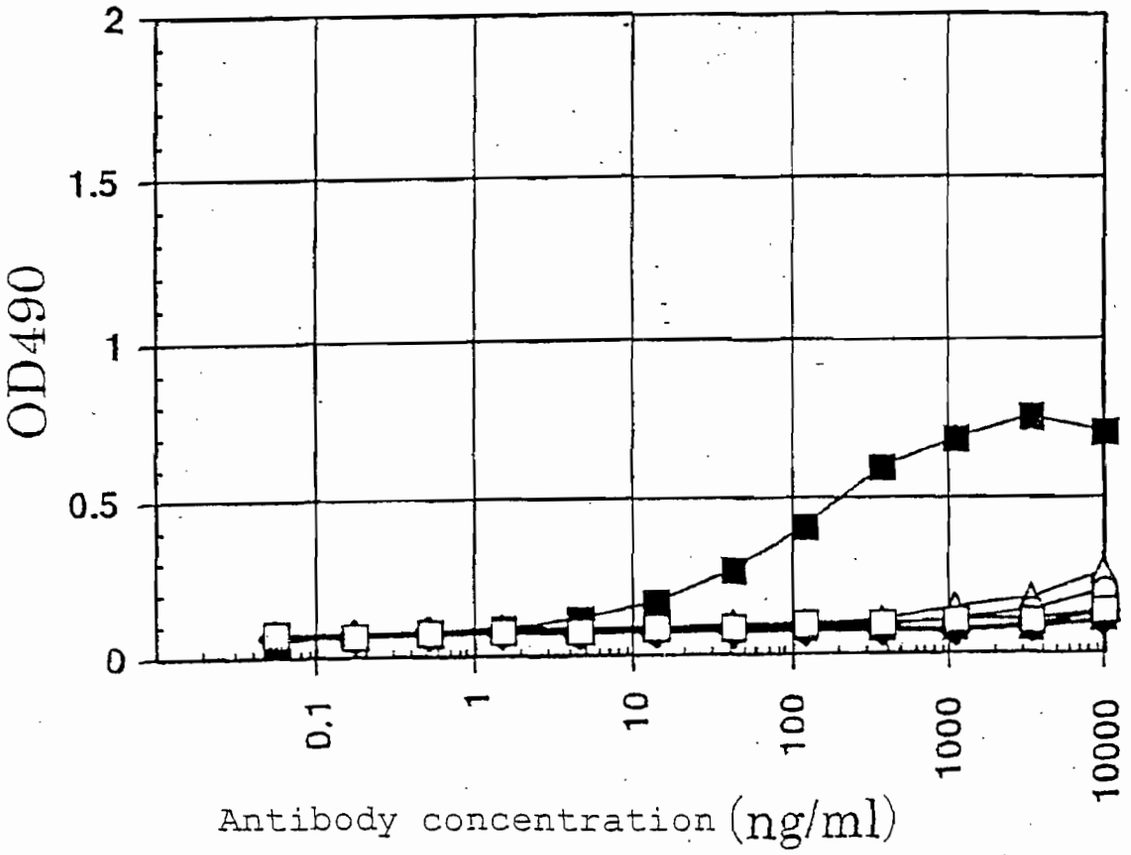

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
KLH CHO
KLH rat
JMAb124 CHO
JMAb124 rat
JMAb126 CHO
JMAb126 rat
JMAb127 CHO
JMAb127 rat

Figure 13



JMAb128 CHO

JMAb128 rat

JMAb135 CHO

JMAb135 rat

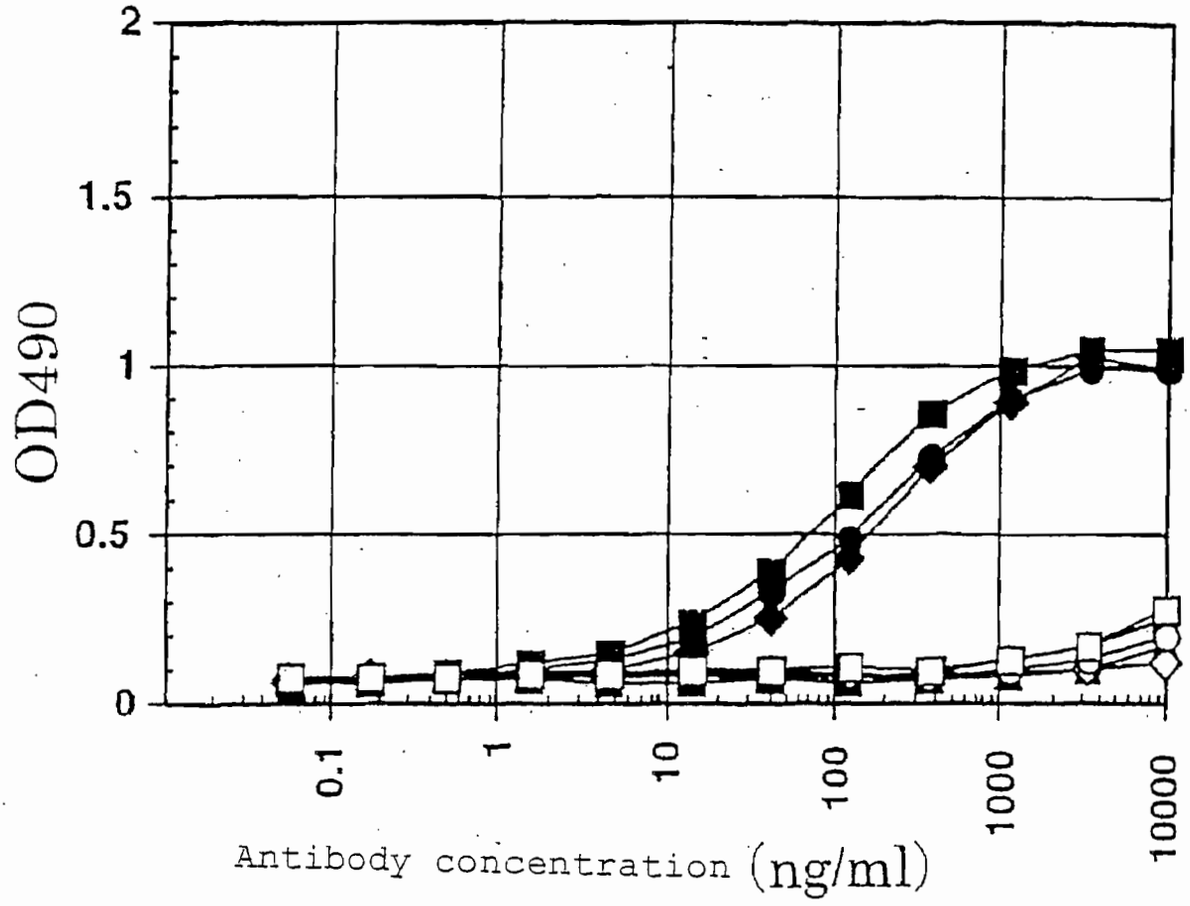
JMAb136 CHO

JMAb136 rat

JMAb137 CHO

JMAb137 rat

Figure 14



JMAB138 CHO
JMAb138 rat
JMAb139 CHO
JMAb139 rat
JMAb140 CHO
JMAb140 rat
JMAb141 CHO
JMAb141 rat

Figure 15

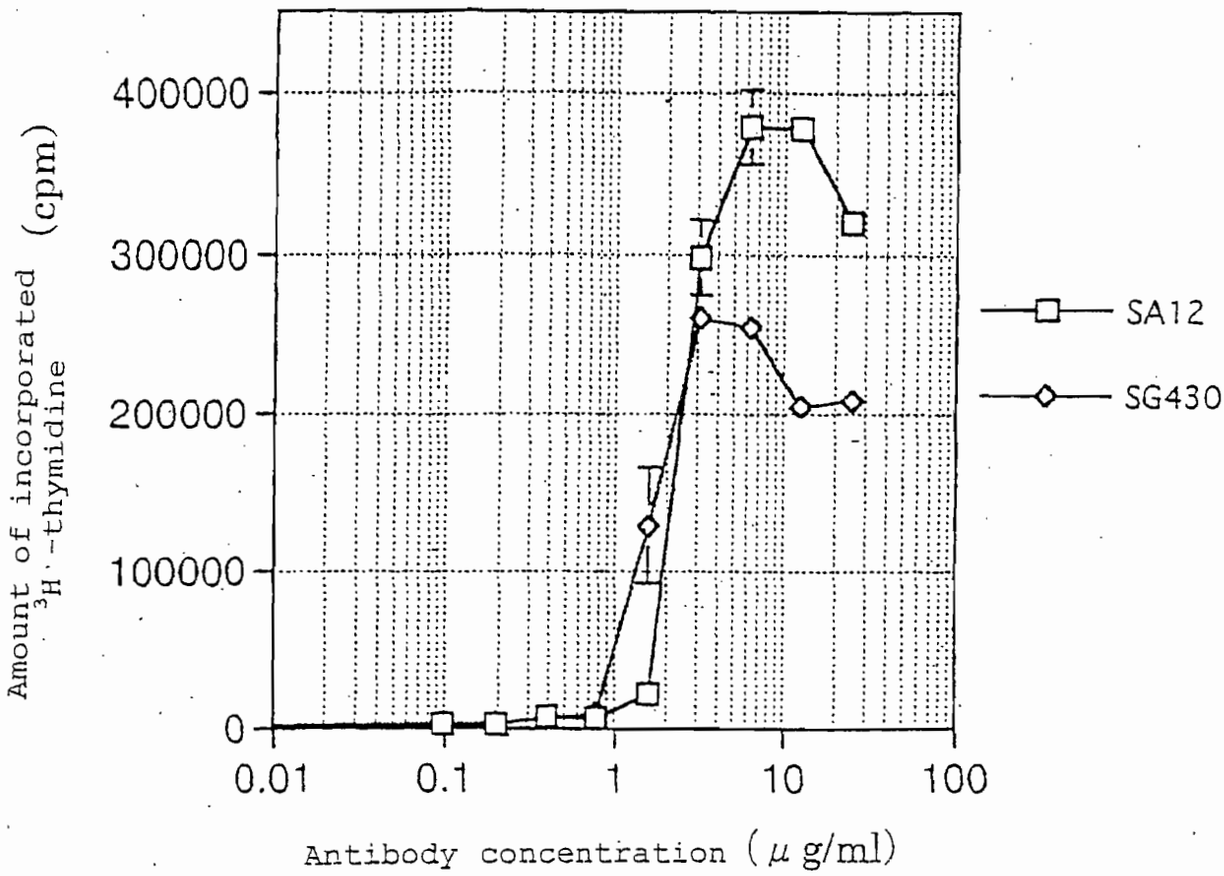

400000
300000
200000
100000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Antibody concentration (μg/ml)
SA12
SG430

Figure 16

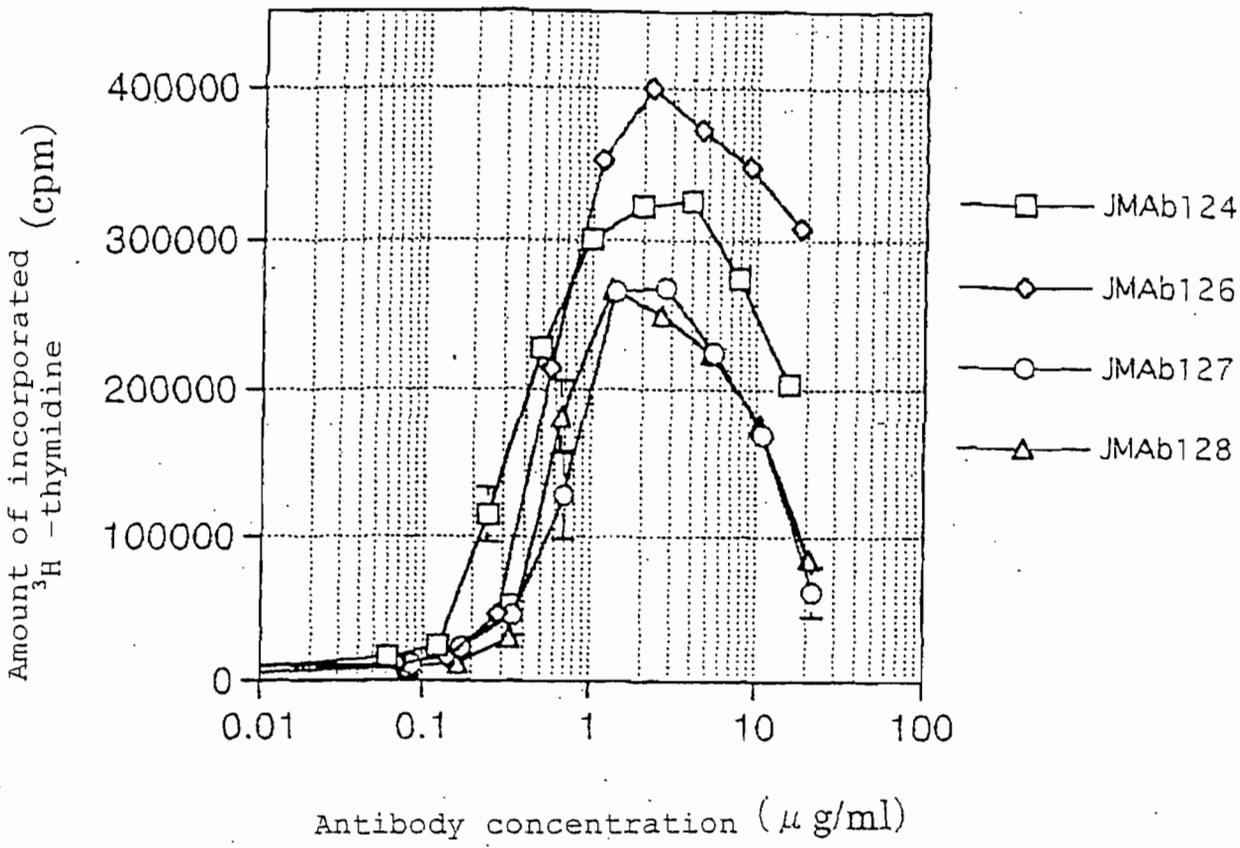

400000
300000
200000
100000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
JMAb124
JMAb126
JMAb127
JMAb128

Figure 17

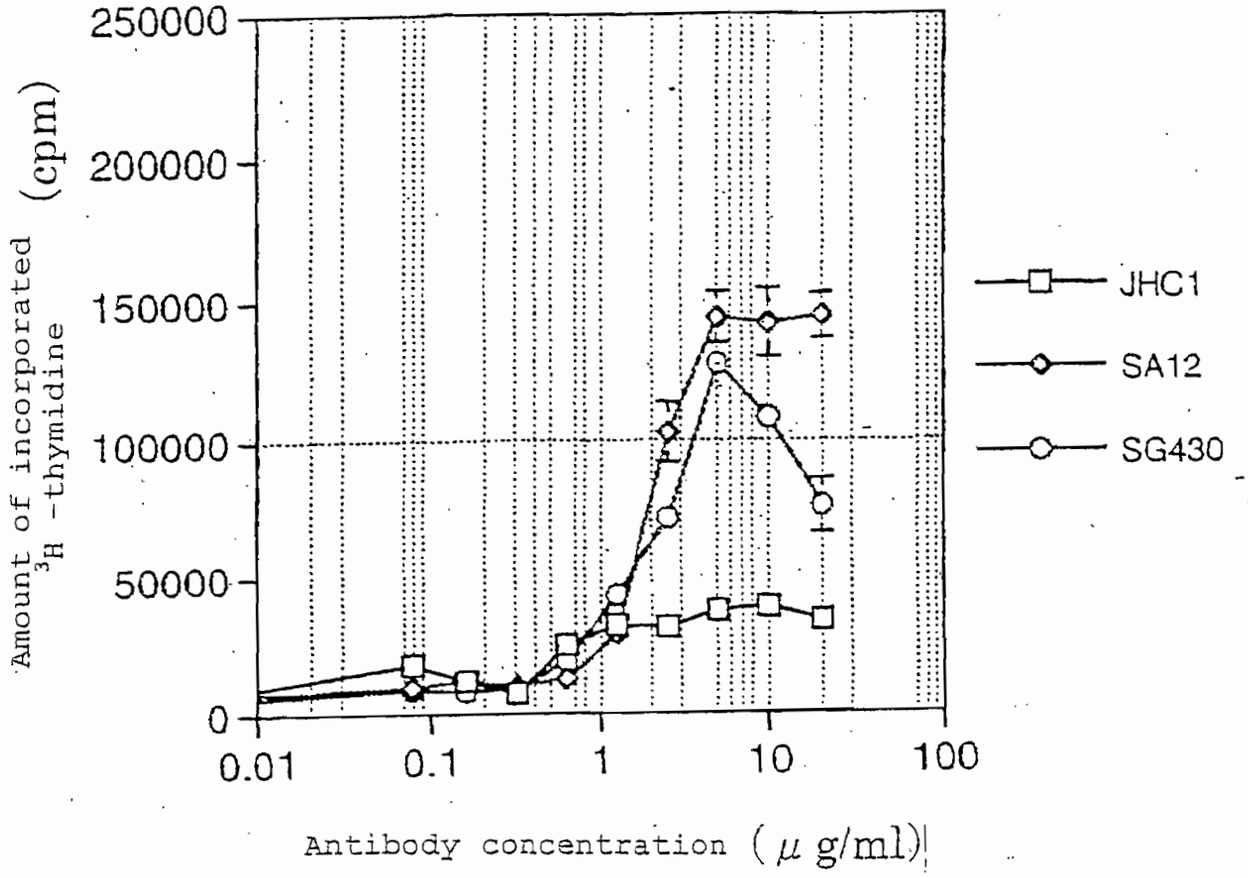

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
JHC1
SA12
SG430

Figure 18

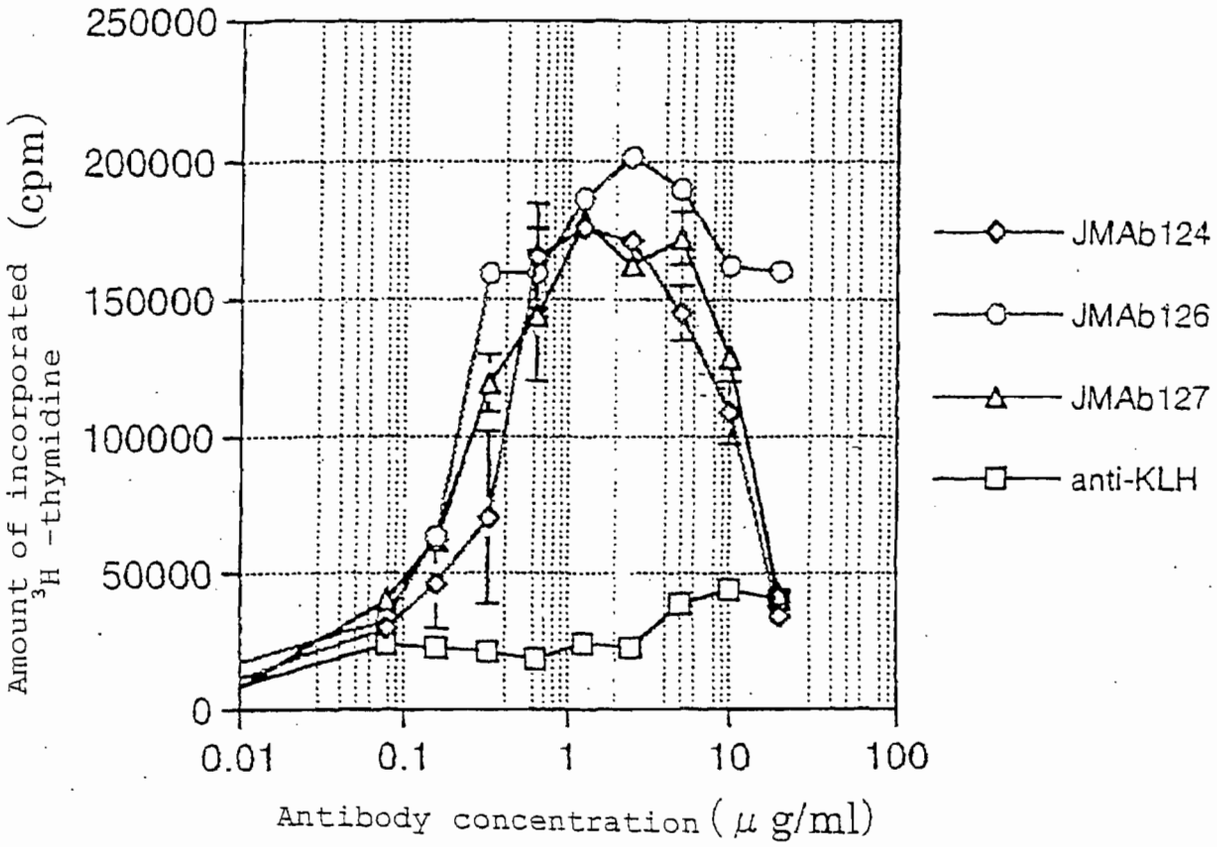

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
JMAb124
JMAb126
JMAb127
anti-KLH

Figure 19

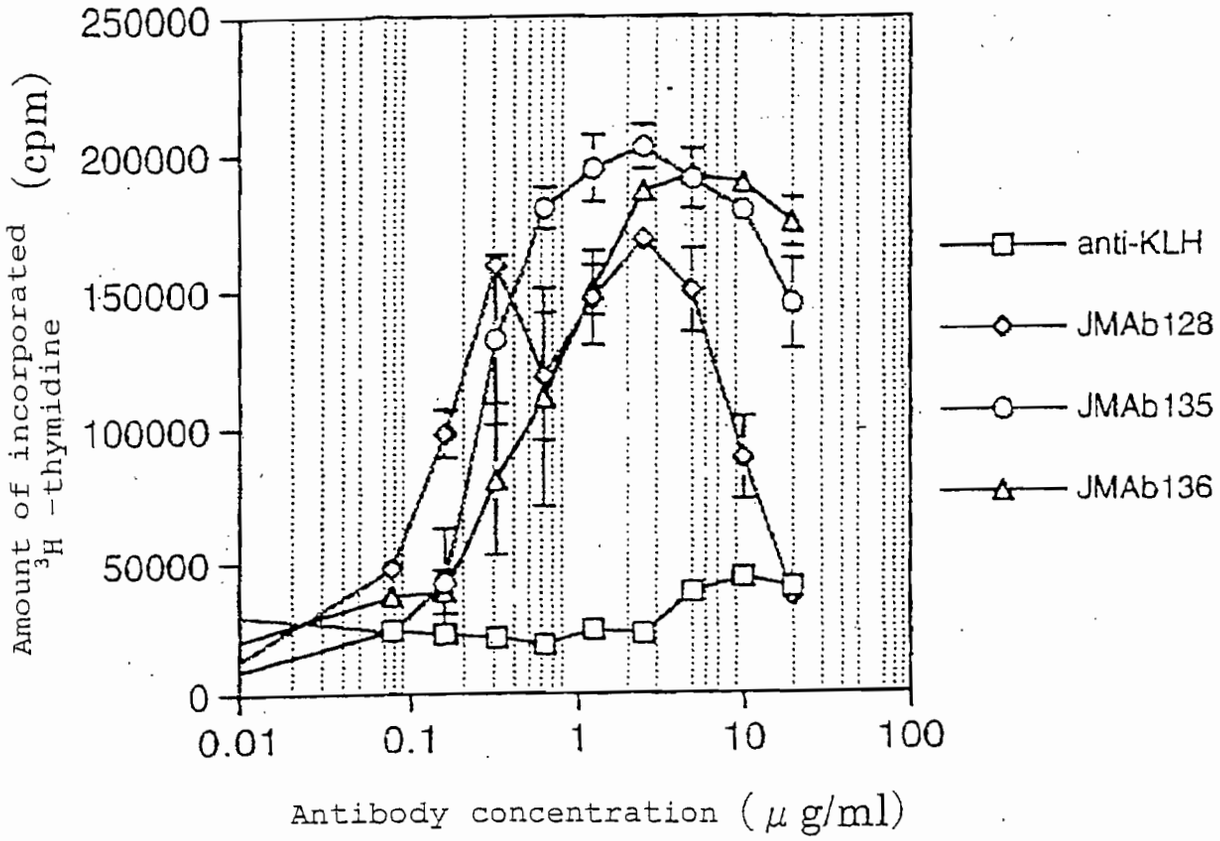

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
anti-KLH
JMAb128
JMAb135
JMAb136

Figure 20

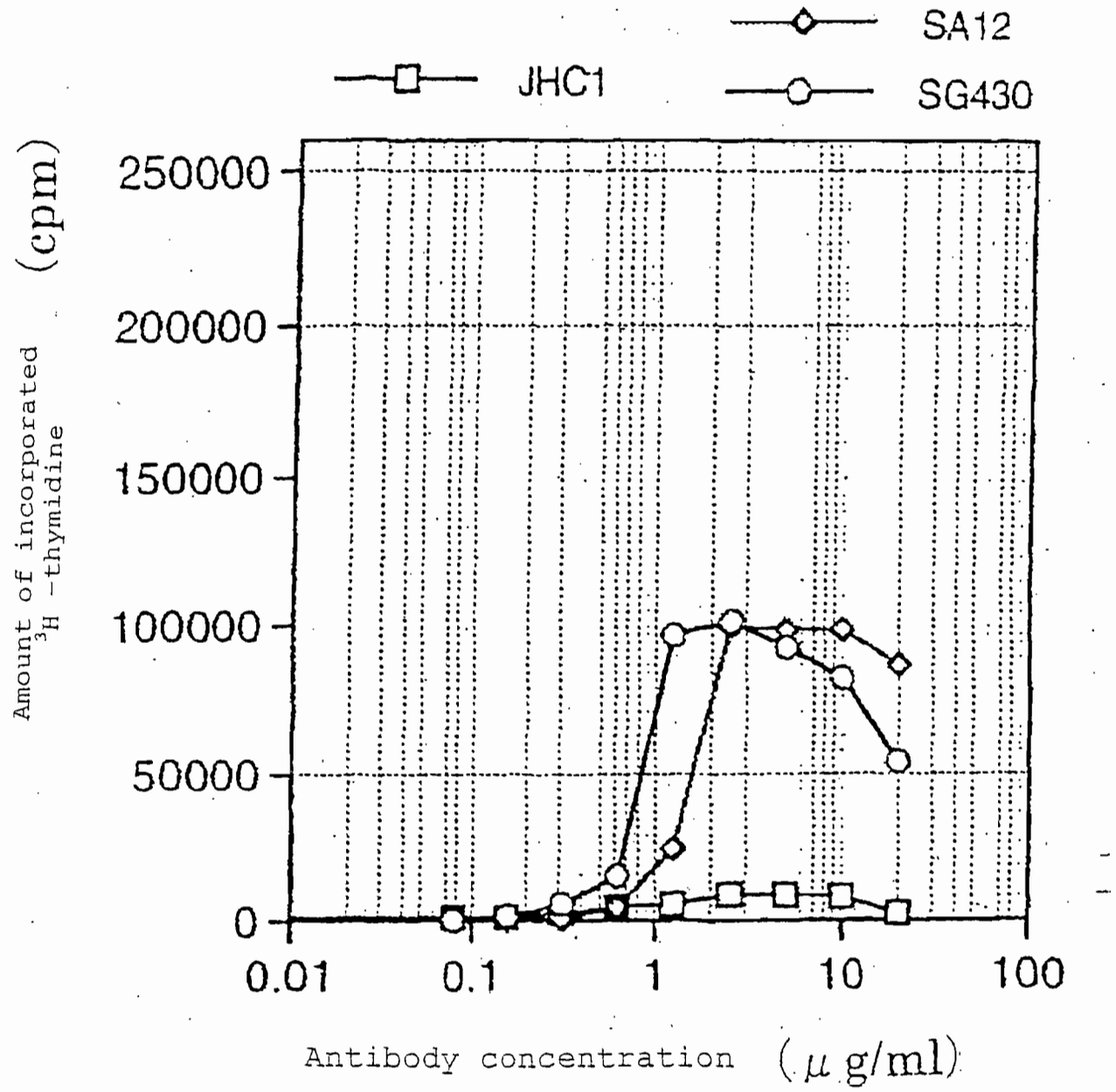

SA12
JHC1
SG430
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 21

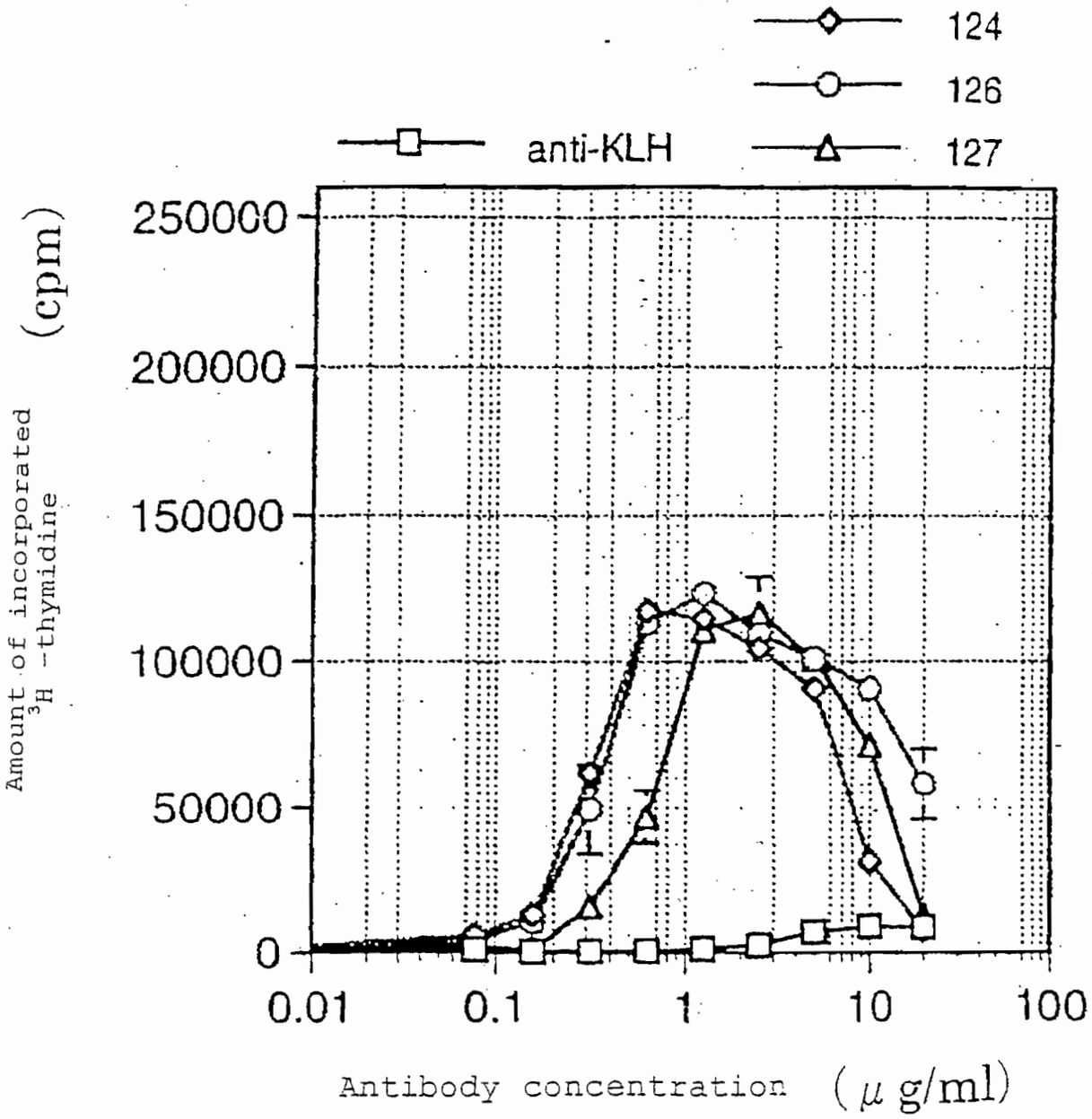

124
126
anti-KLH
127
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 22

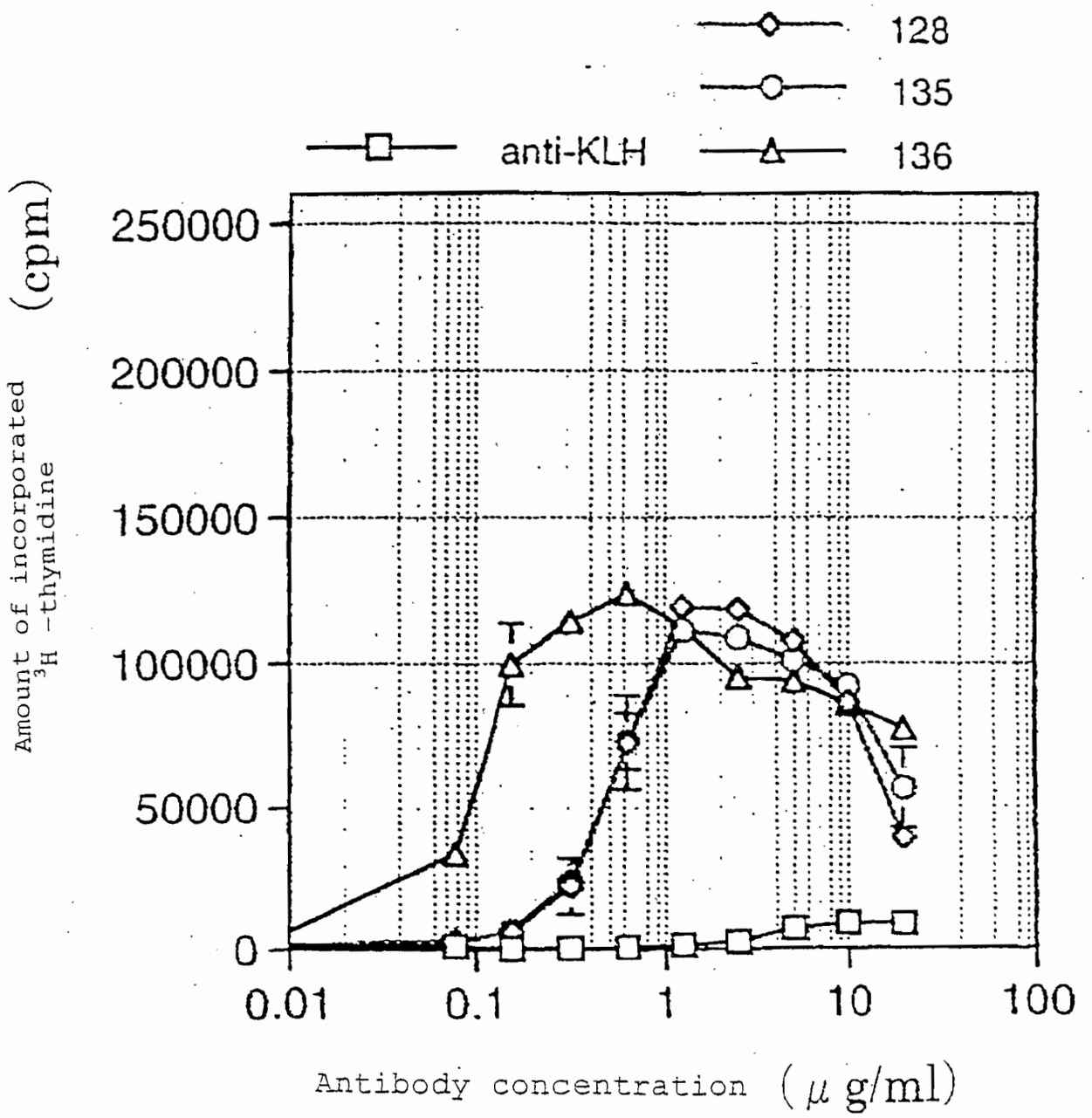

128
135
anti-KLH
136
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 23

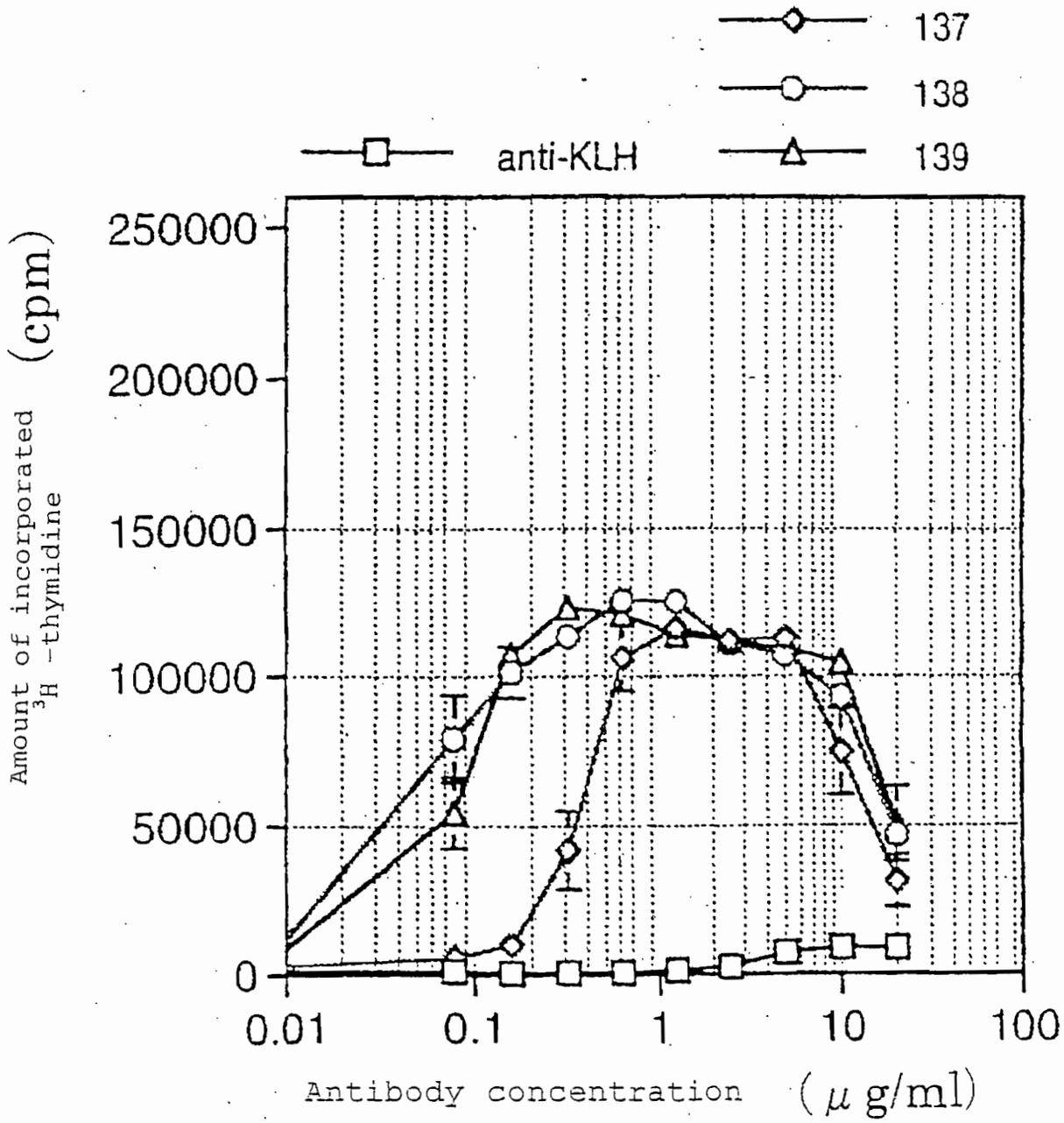

137
138
anti-KLH
139
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 24

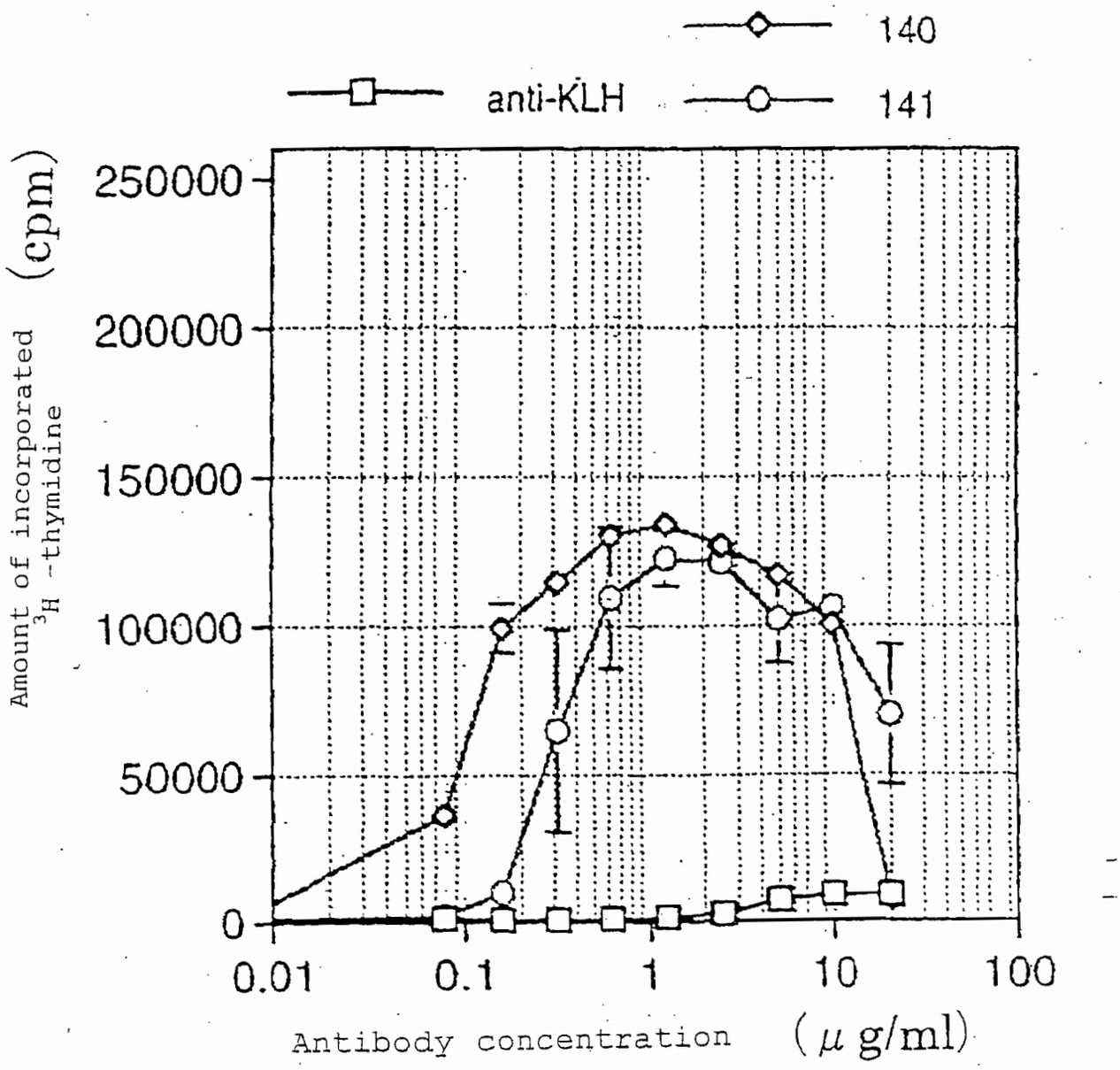

140
anti-KLH
141
Amount of incorporated ^{3}H -thymidine (cpm)
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 25

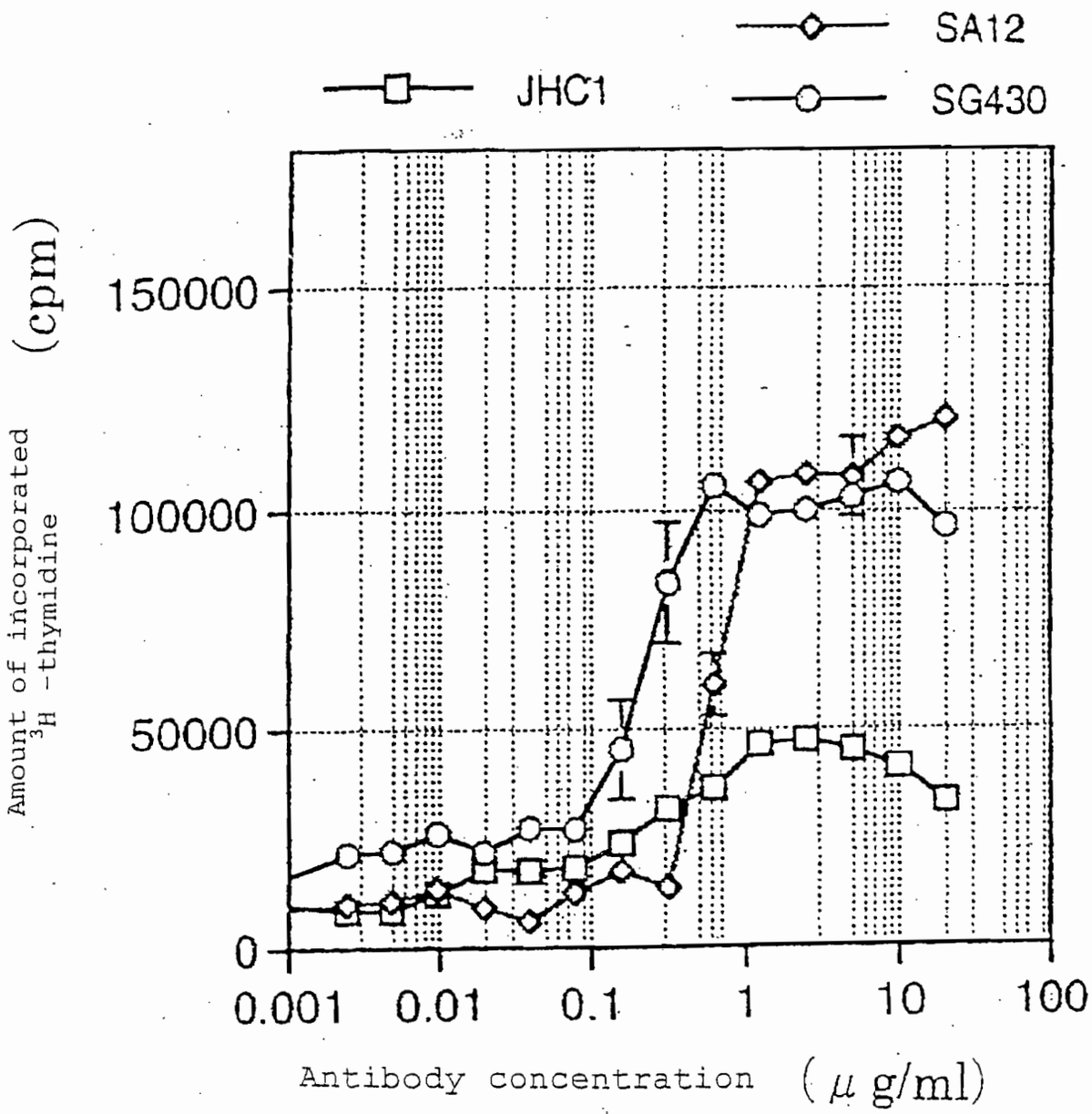

SA12
JHC1
SG430
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 26

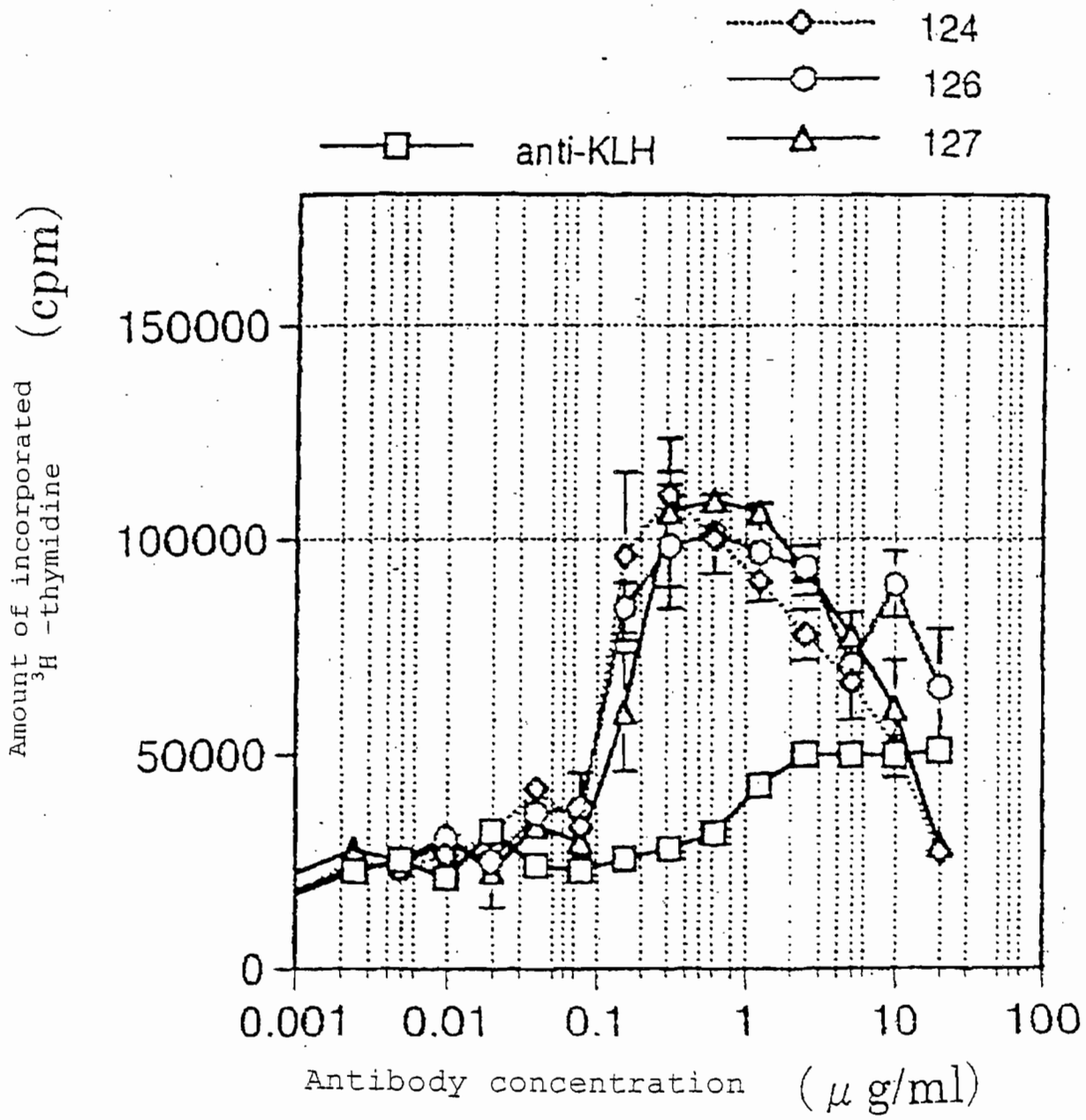

124
126
127
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 27

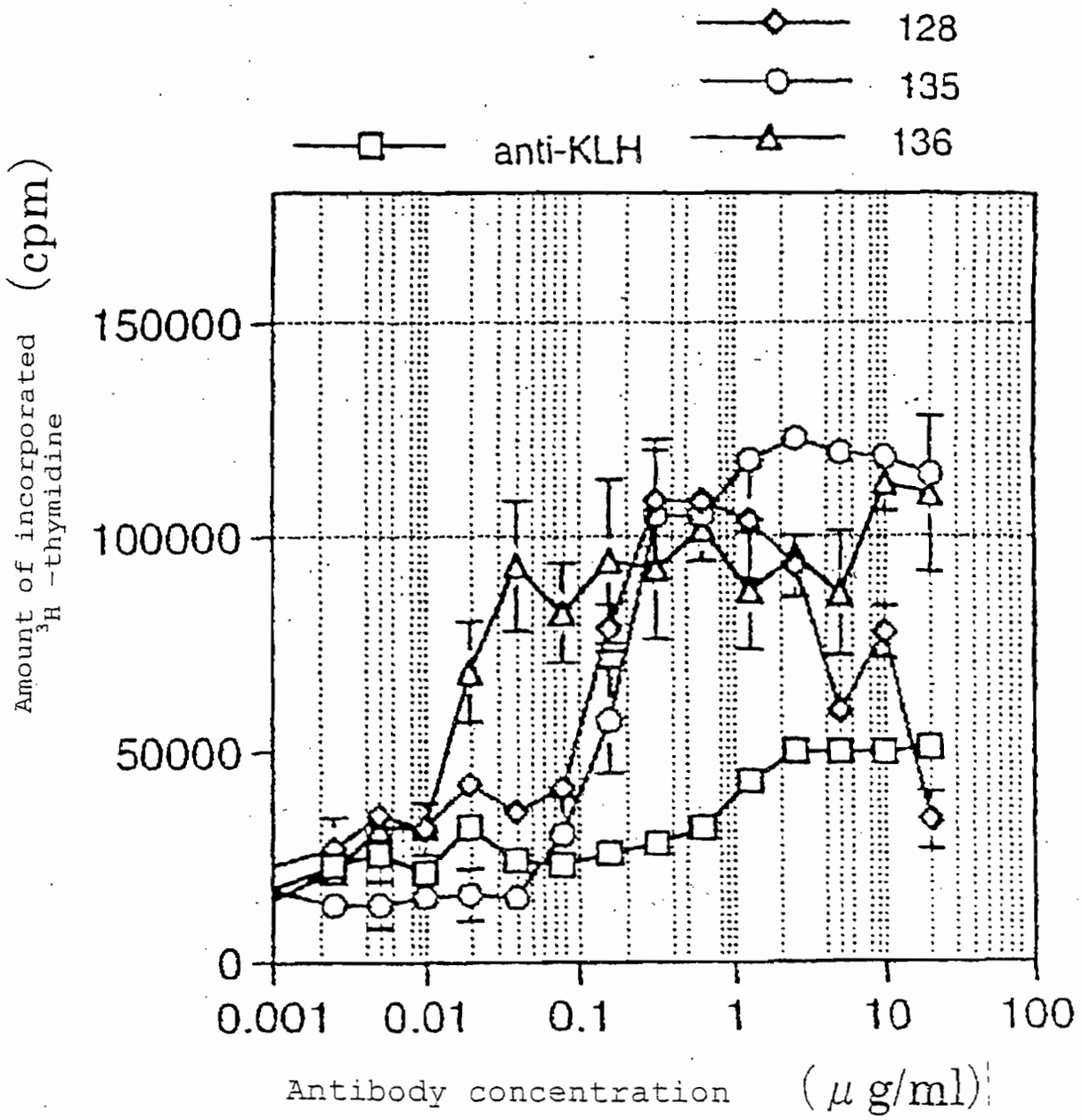

128
135
136
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 28

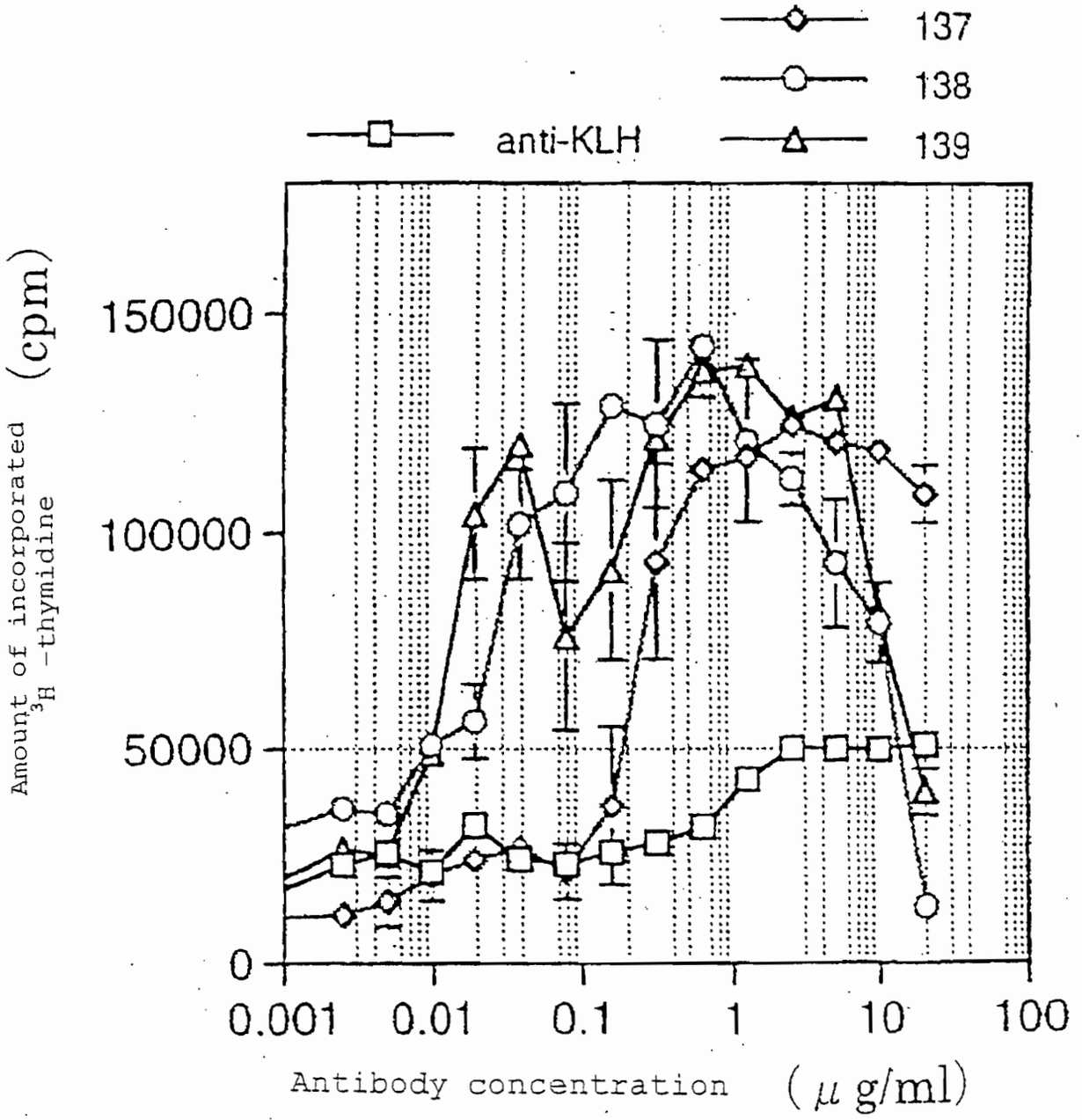

137
138
anti-KLH
139
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 29

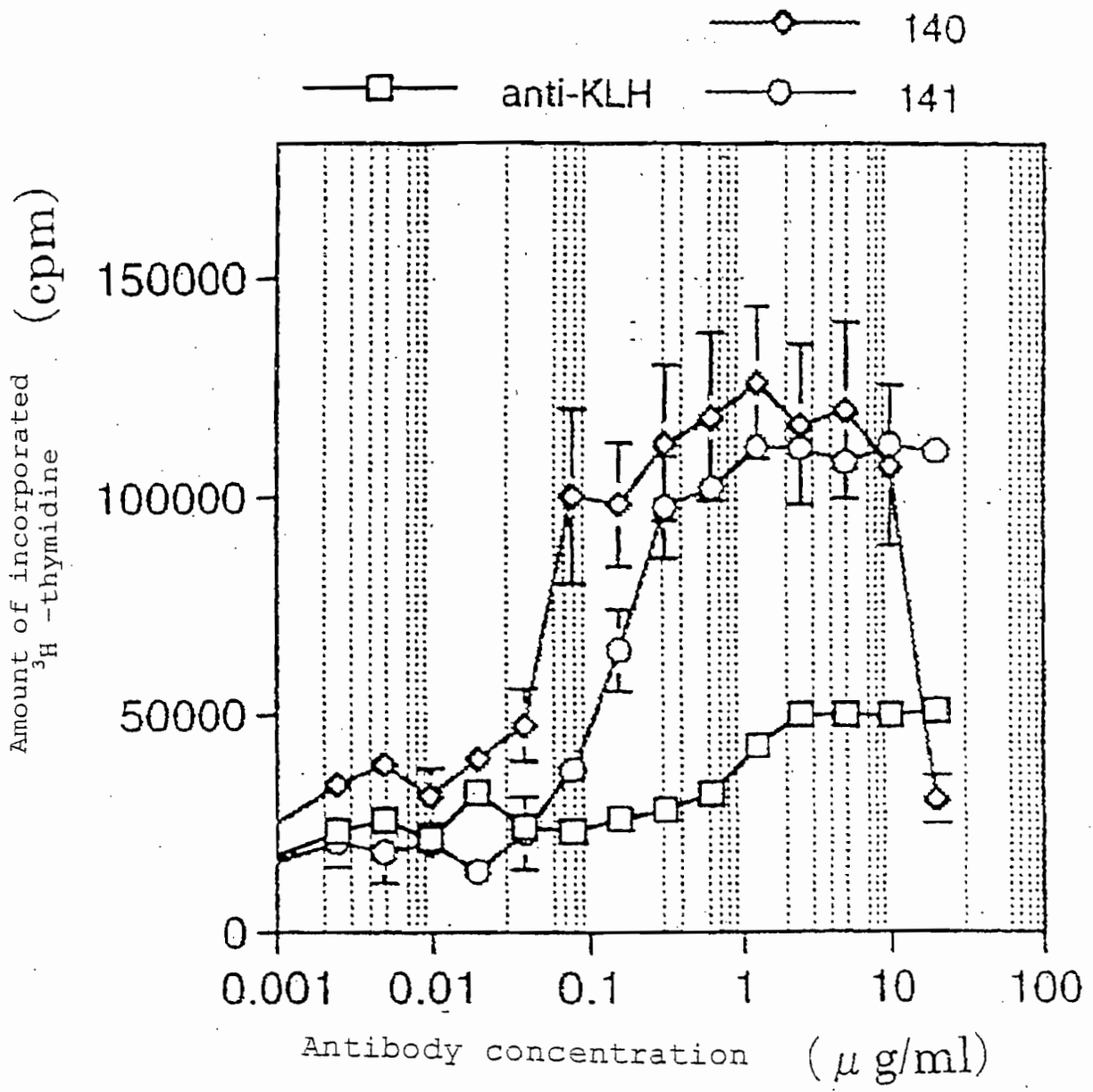

140
anti-KLH
141
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 30

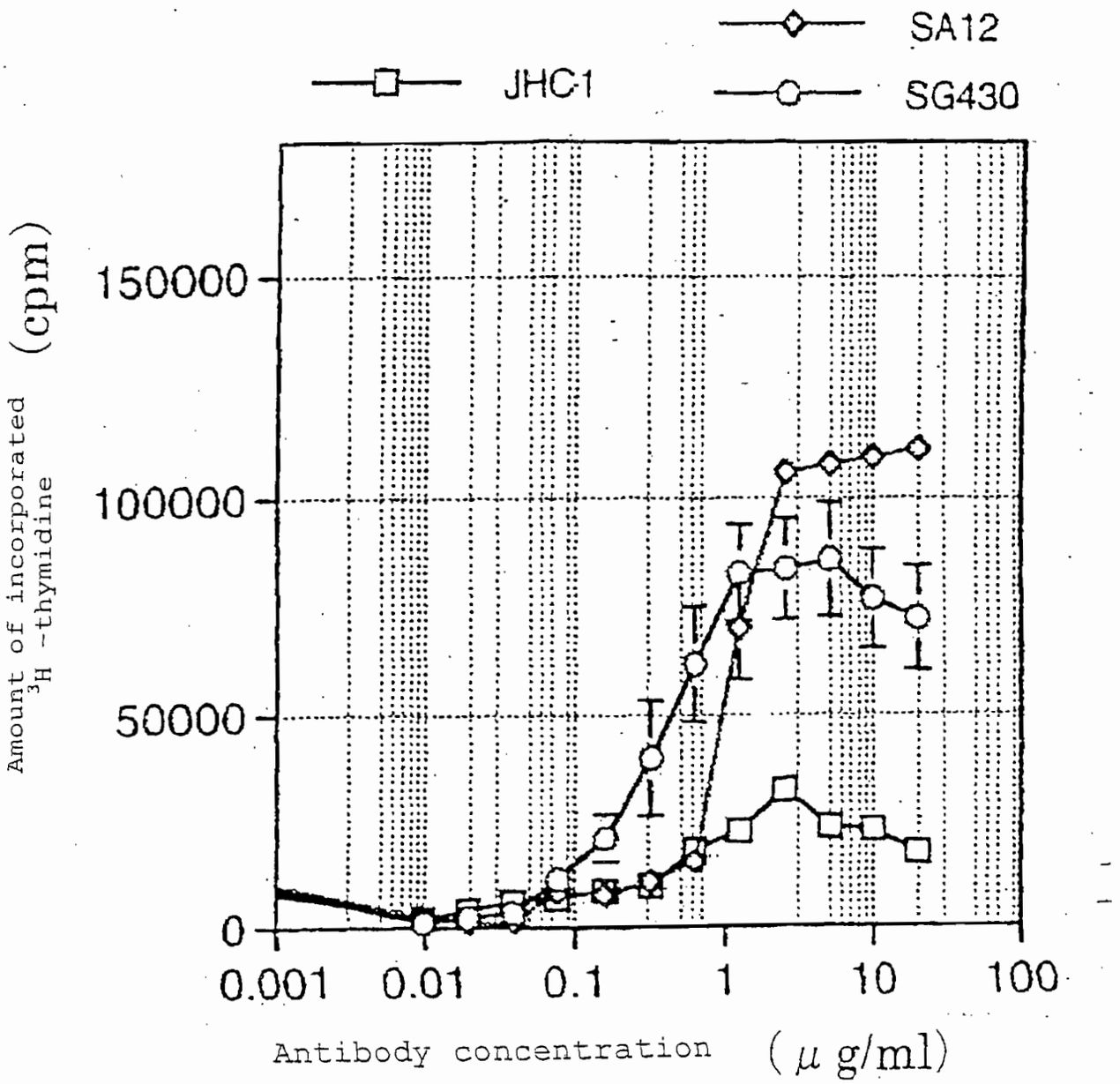

SA12
JHC1
SG430
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 31

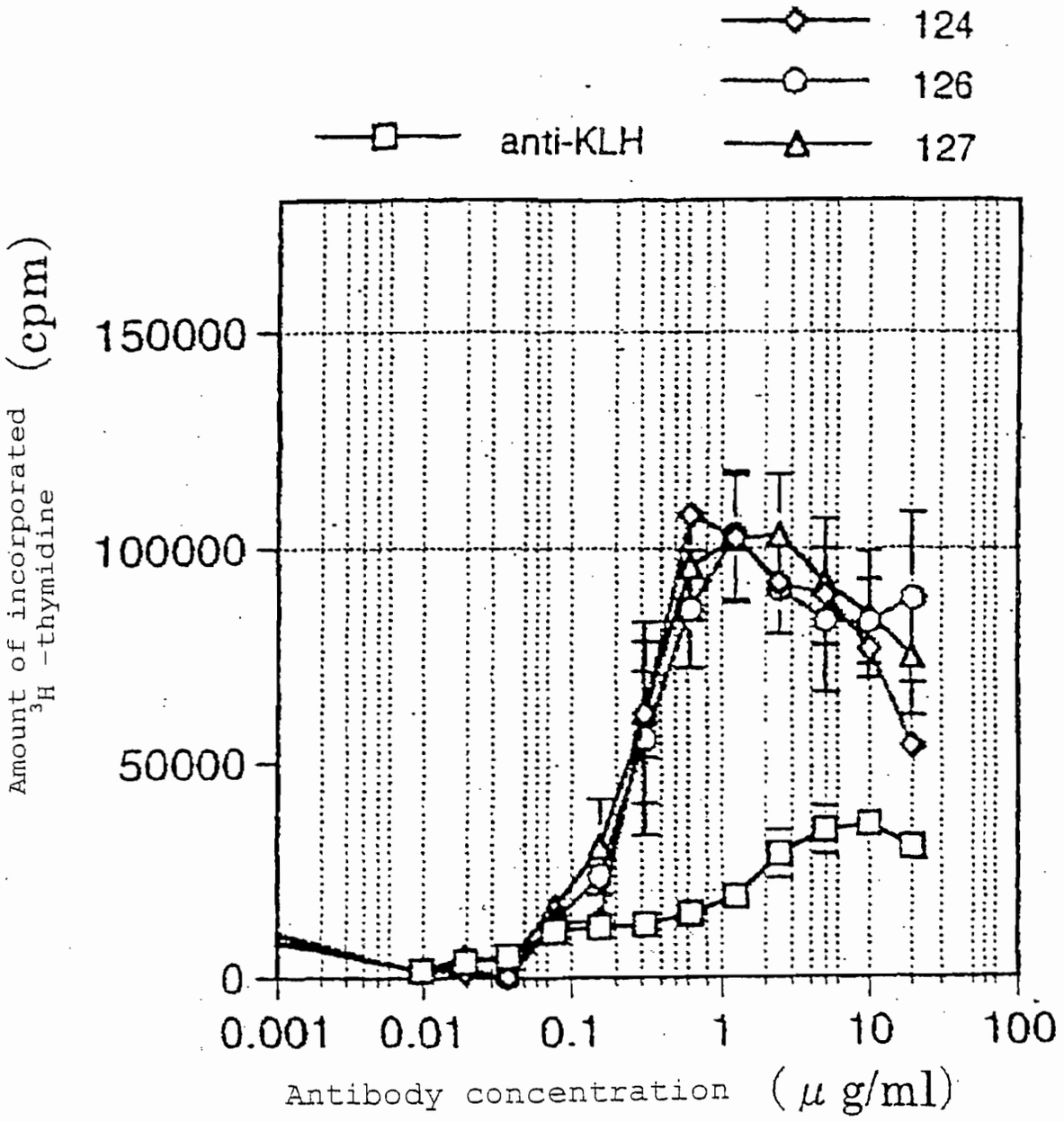

124
126
anti-KLH
127
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 32

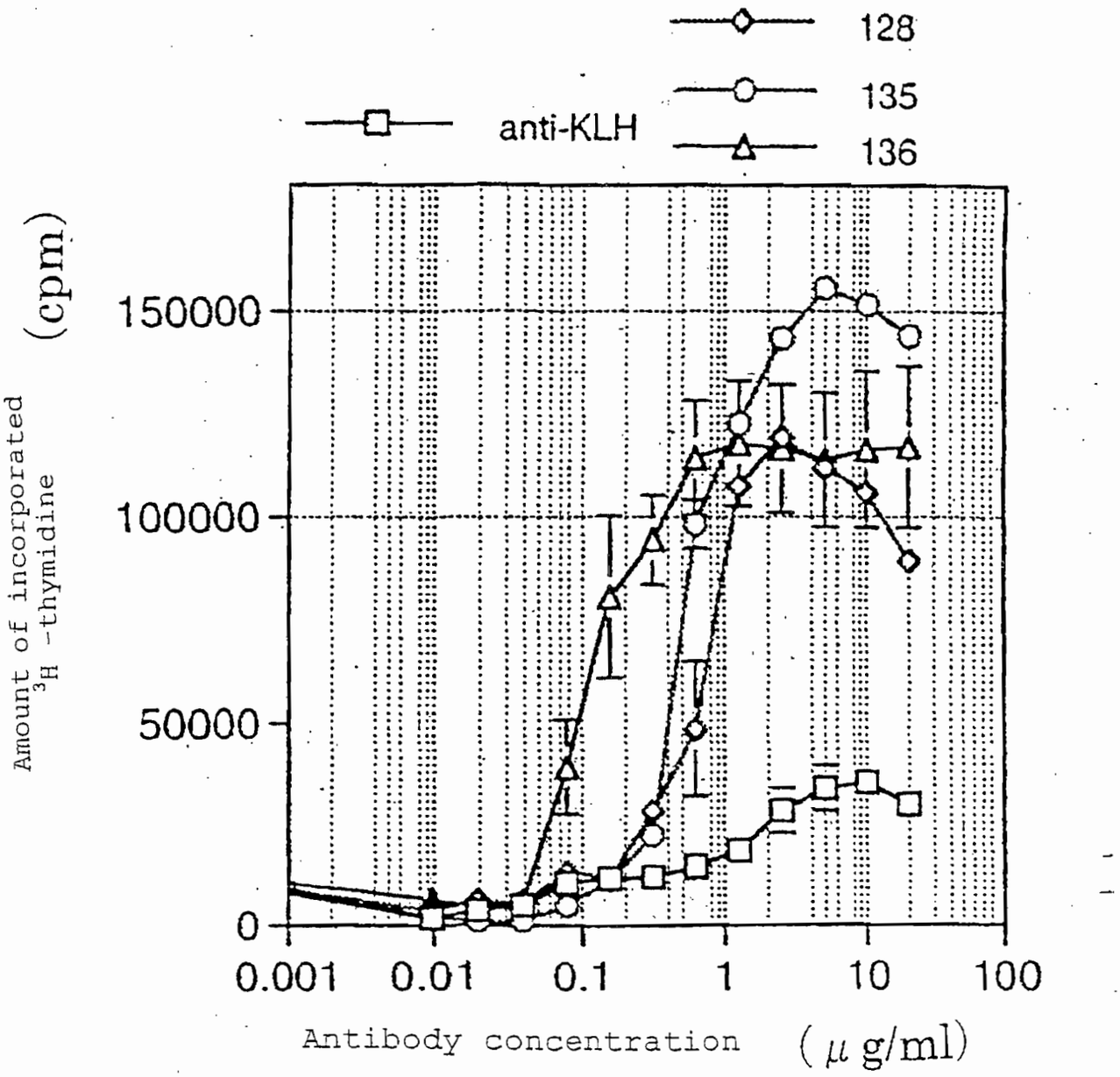

128
135
136
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 33

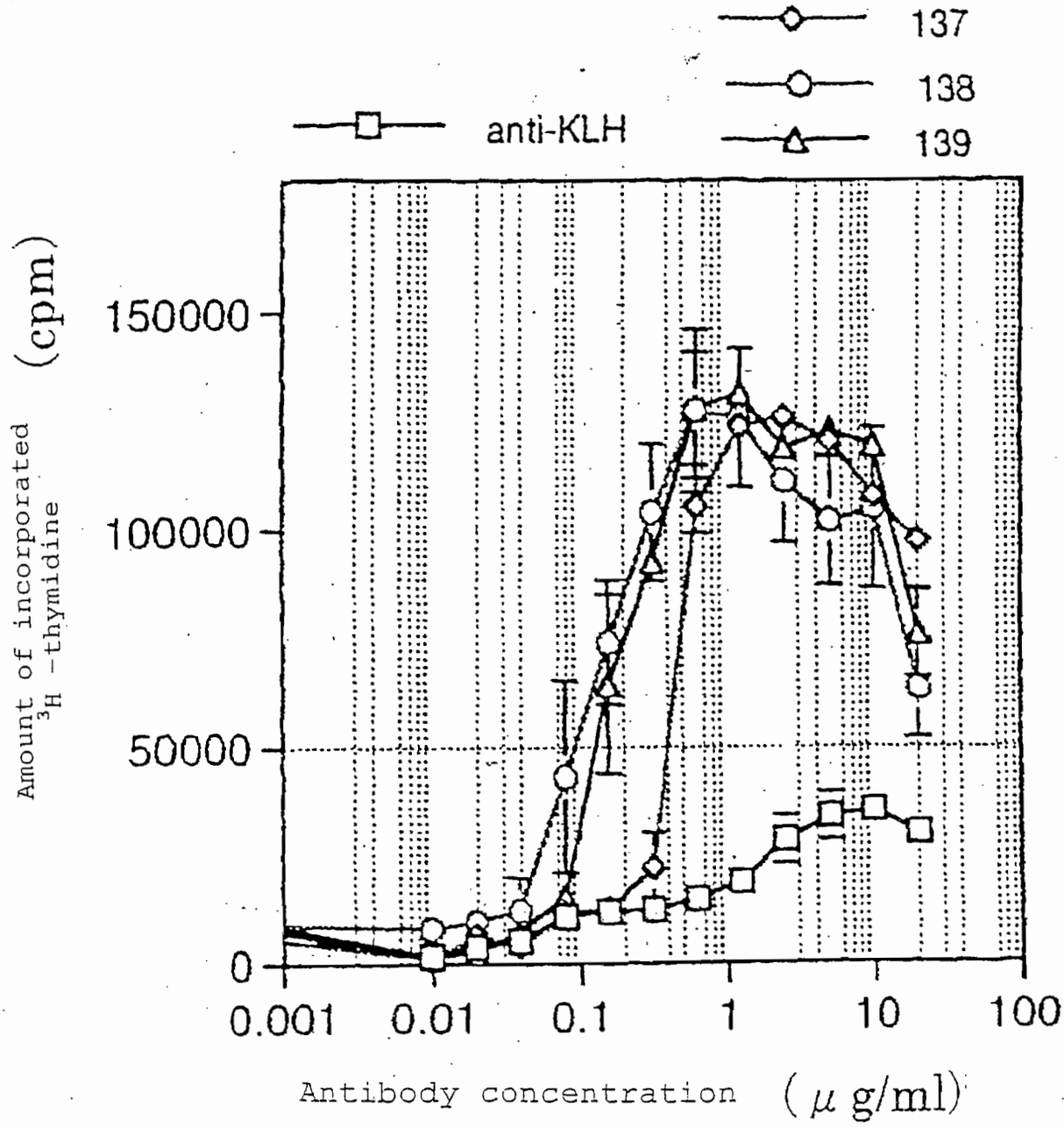

137
138
139
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 34

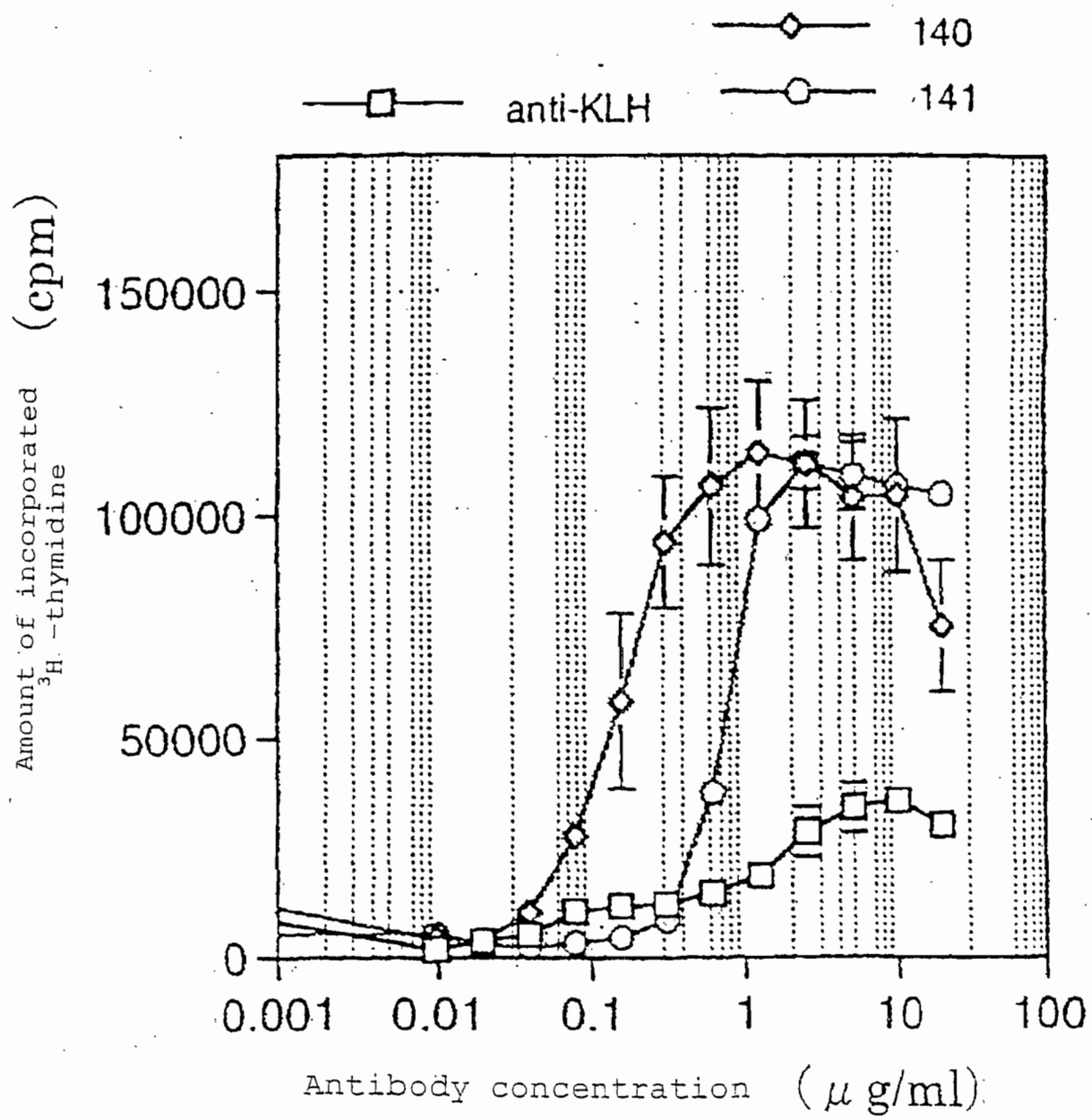

140
141
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 35

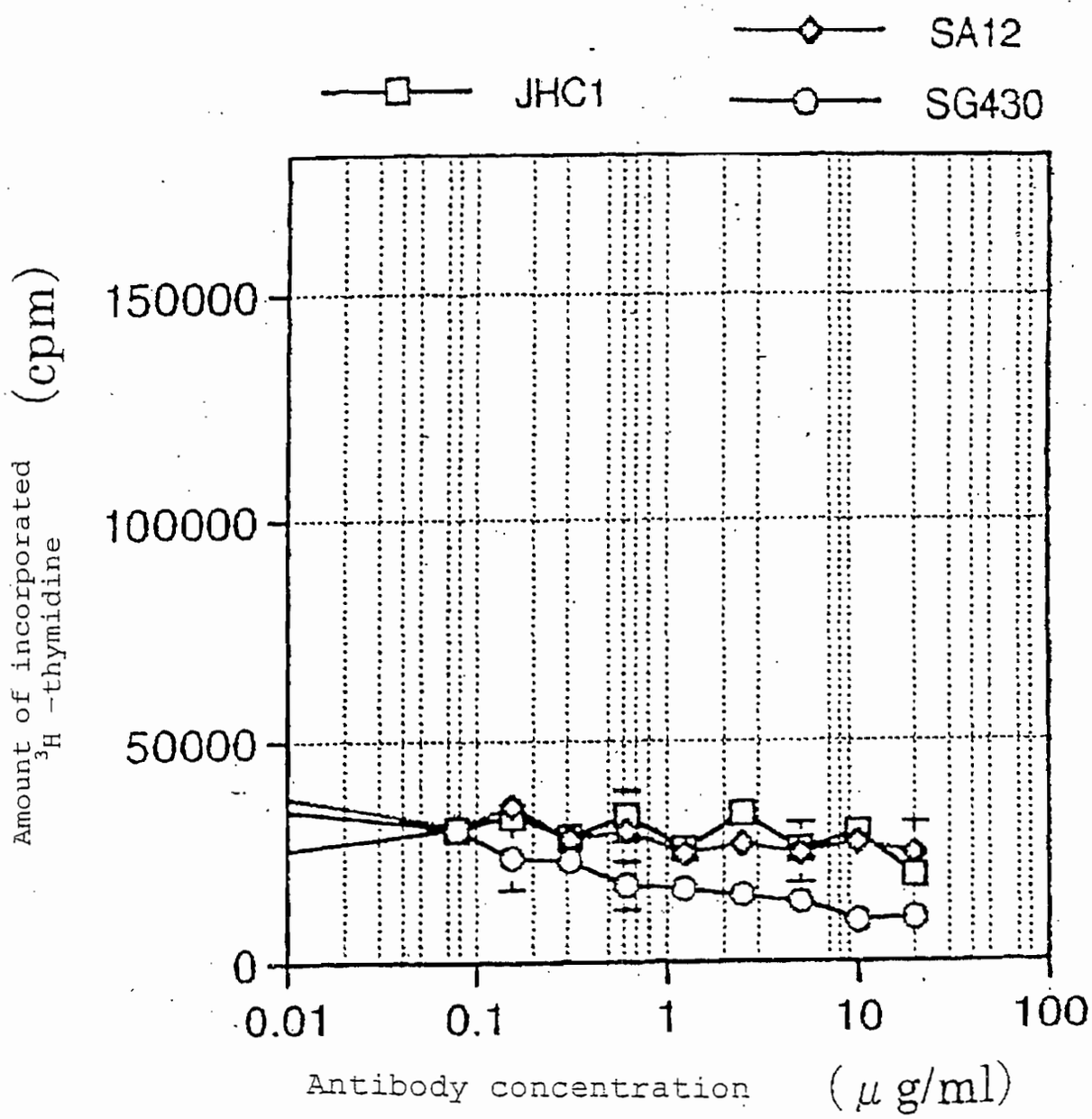

SA12
JHC1
SG430
150000
100000
50000
0
Amount of incorporated ^{3}H -thymidine (cpm)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 36

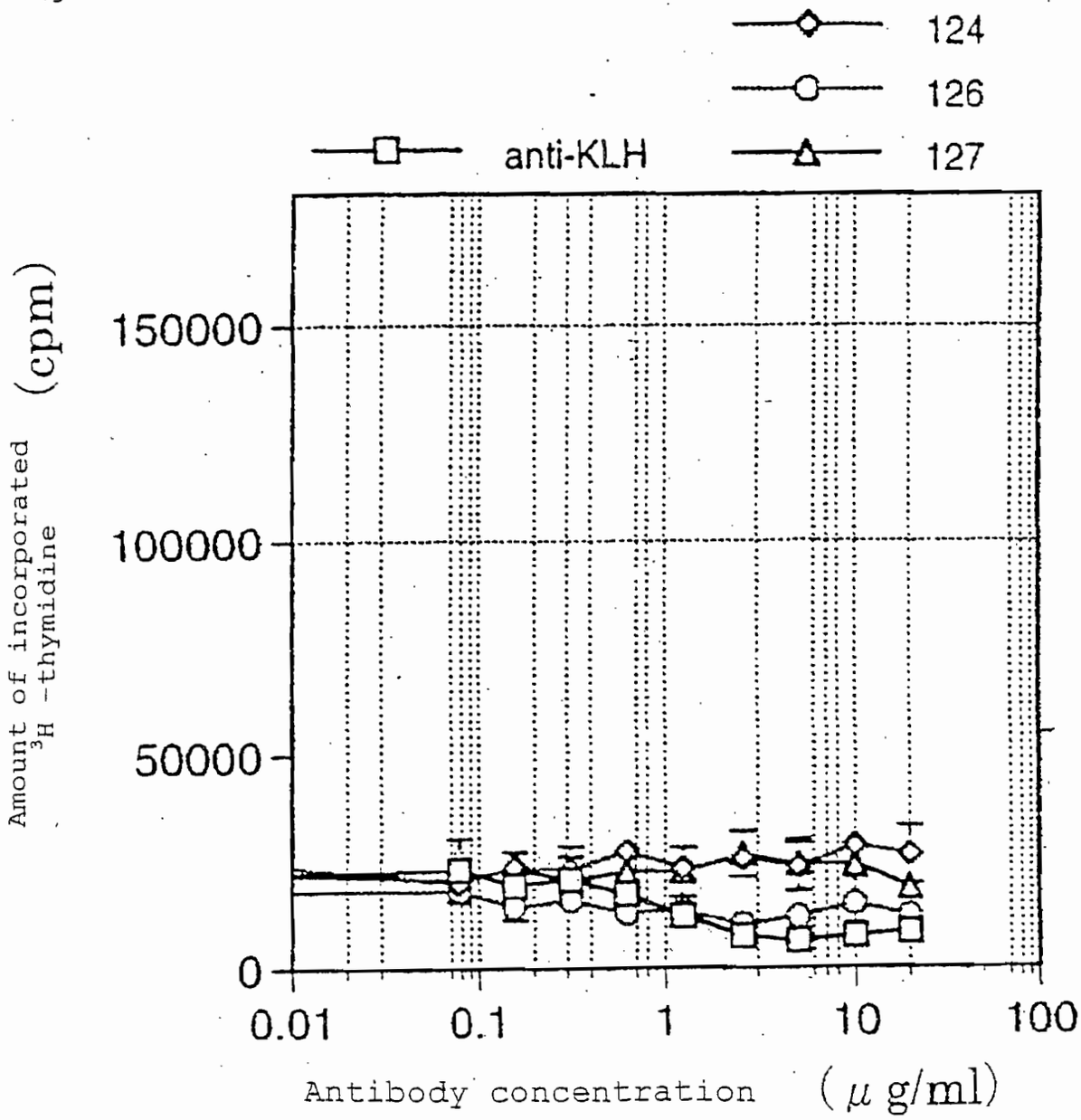

124
126
anti-KLH
127
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 37

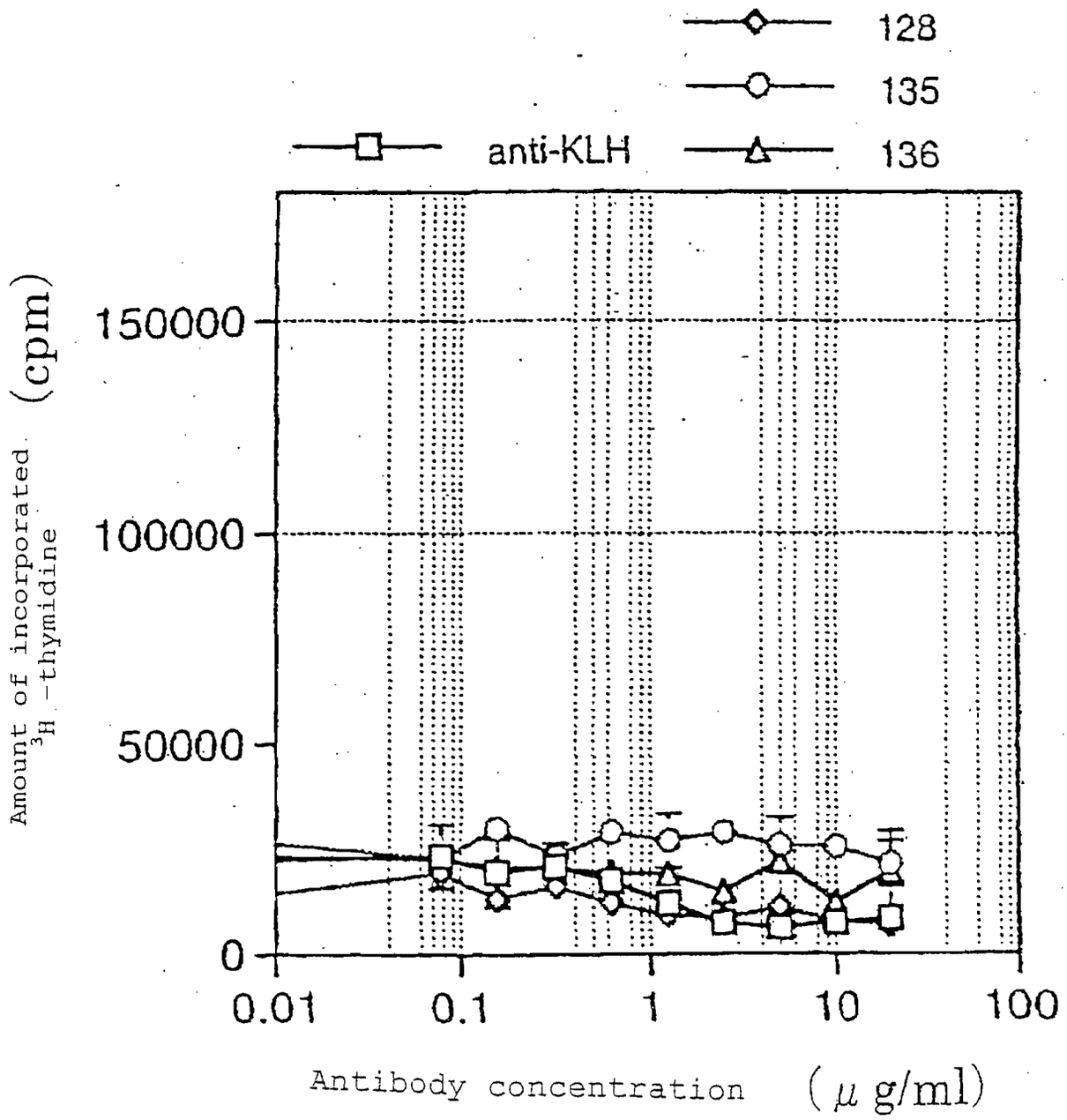

128
135
anti-KLH
136
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 38

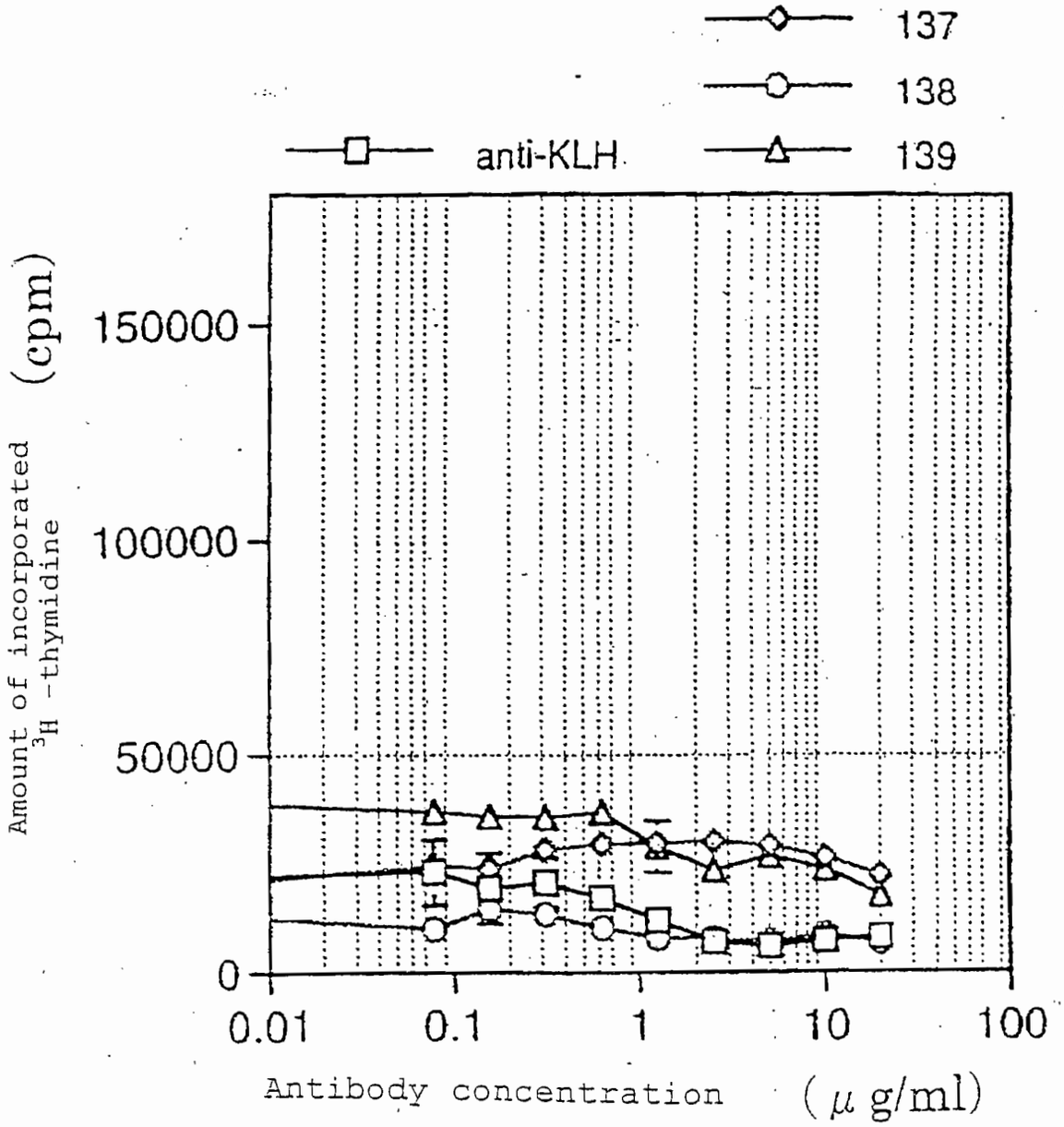

137
138
anti-KLH
139
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 39

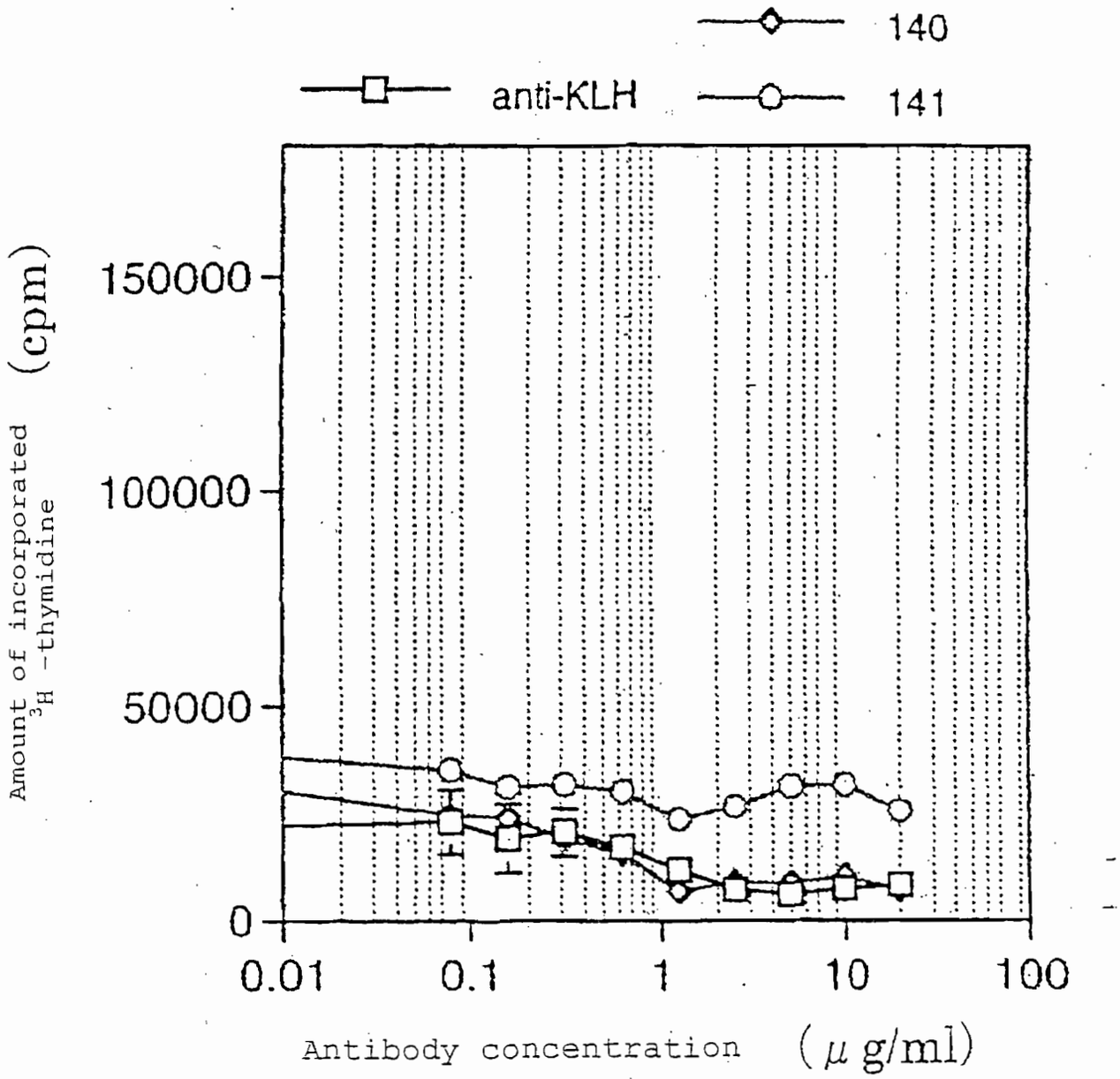

140
anti-KLH
141
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 40

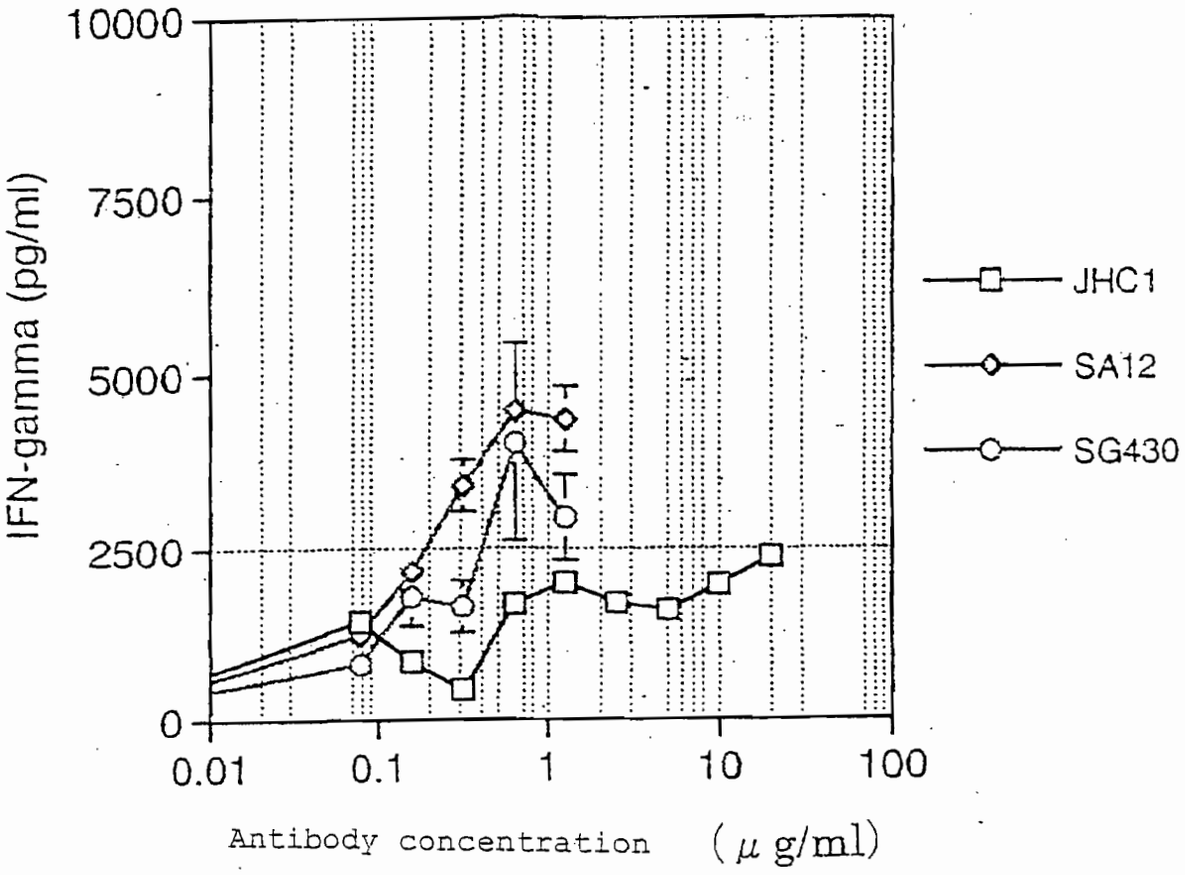

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
JHC1
SA12
SG430

Figure 41

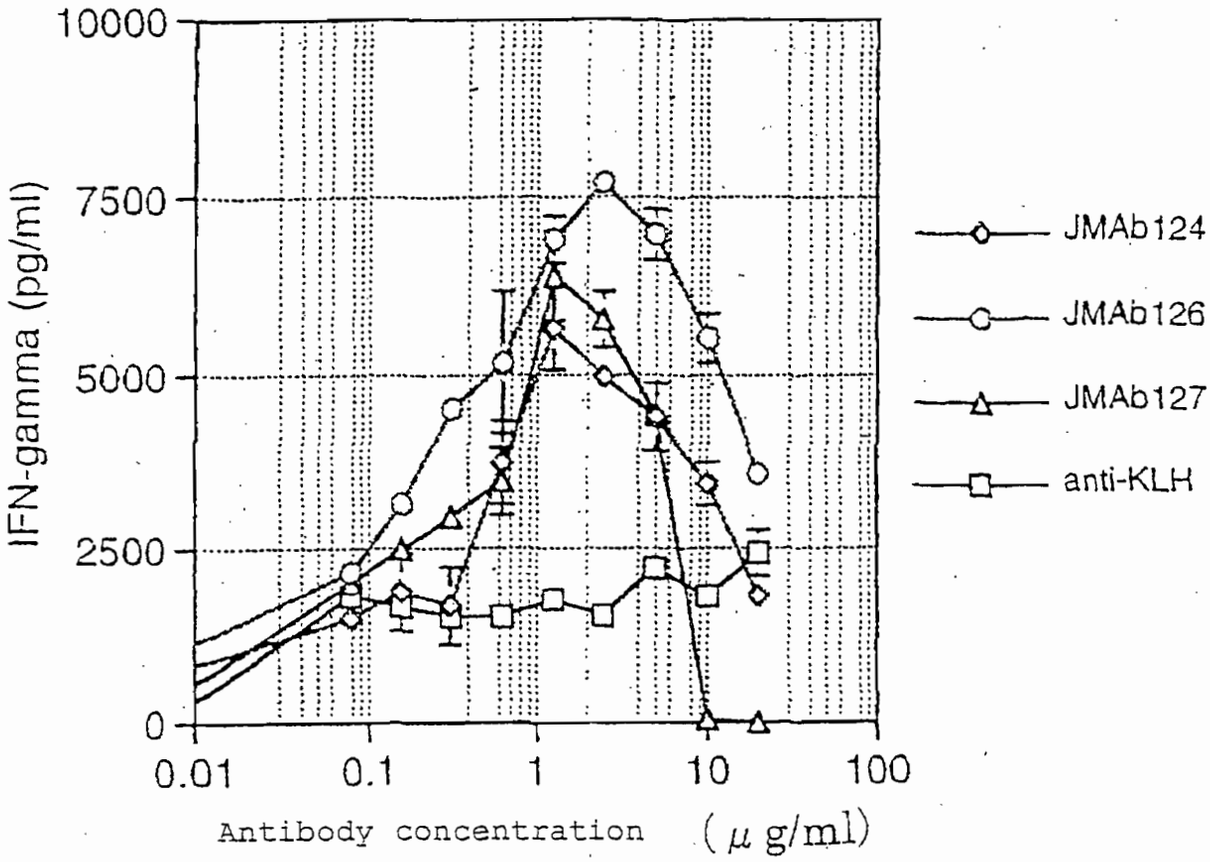

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
JMAb124
JMAb126
JMAb127
anti-KLH

Figure 42

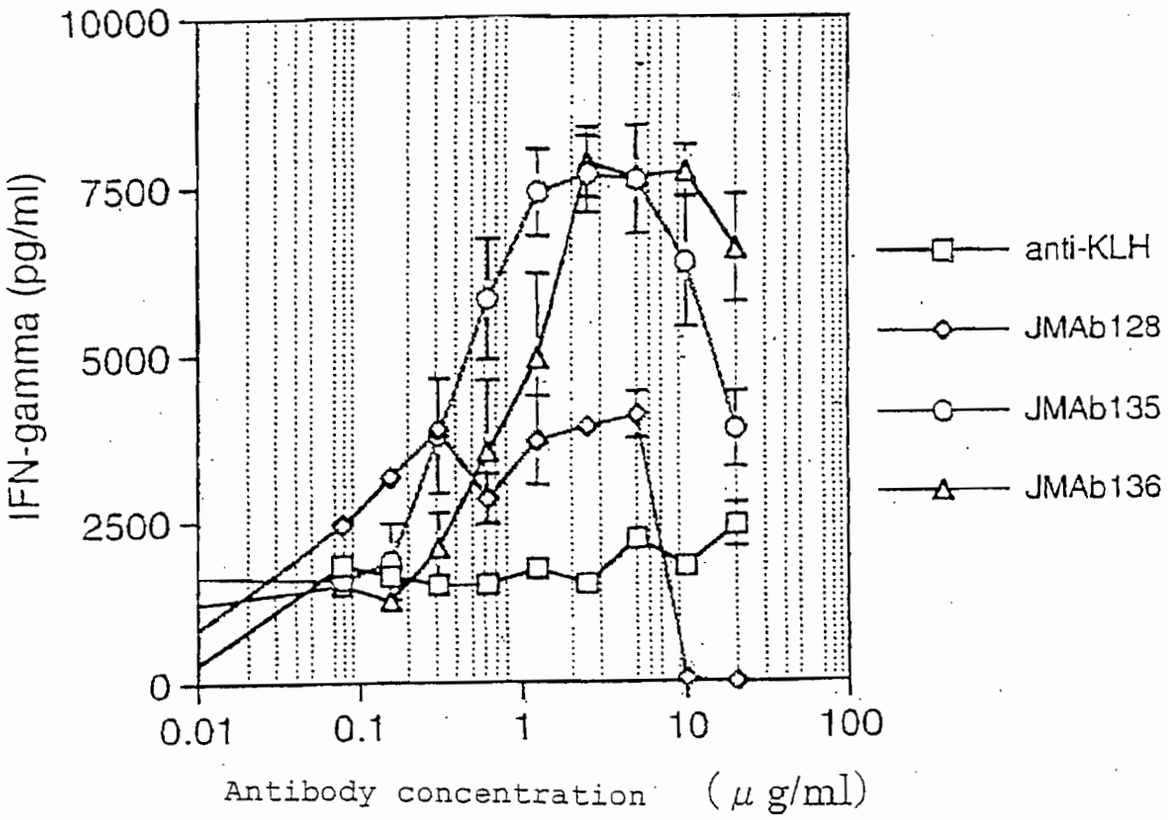

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
anti-KLH
JMAb128
JMAb135
JMAb136

Figure 43

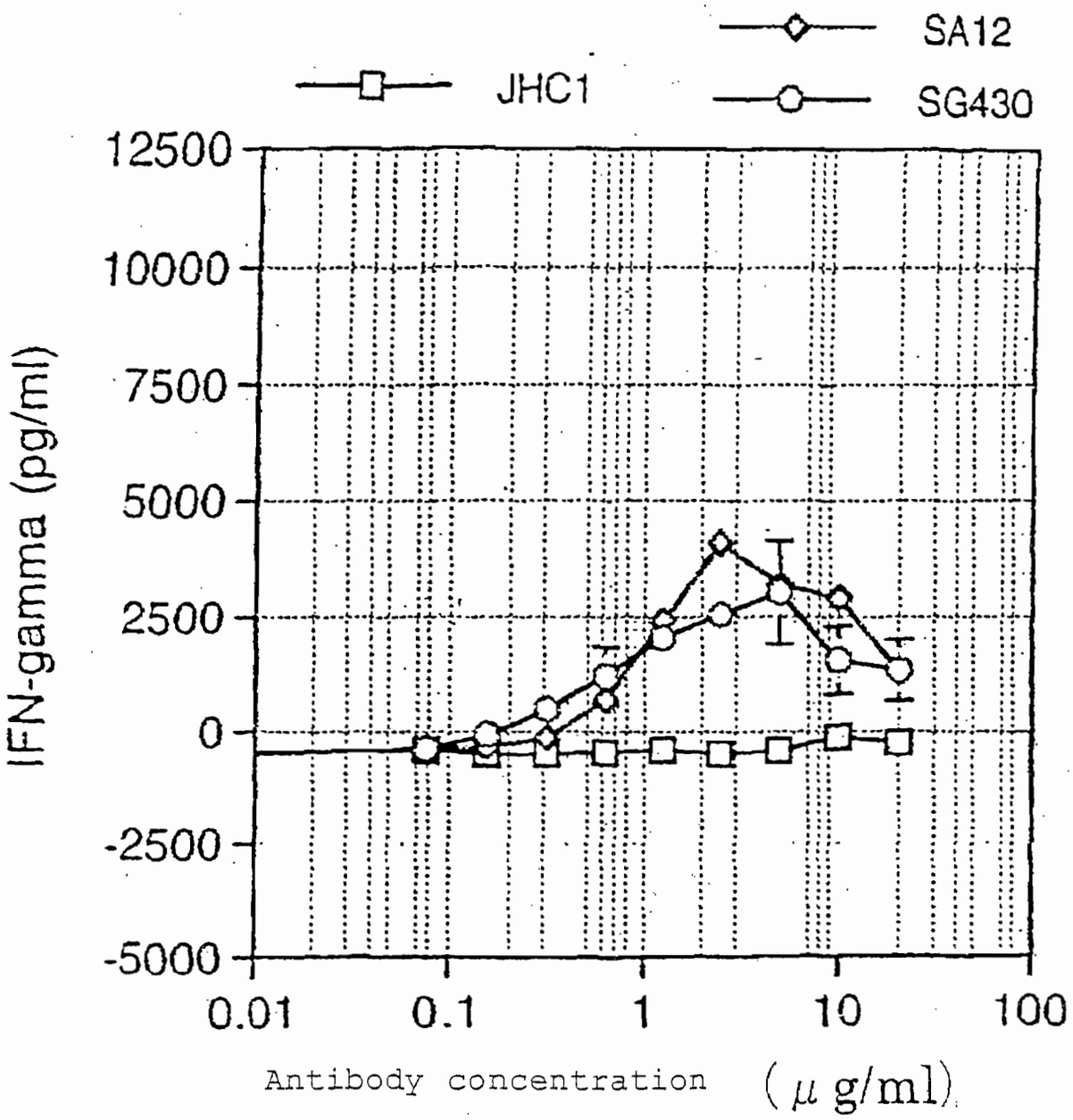

SA12
JHC1
SG430
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 44

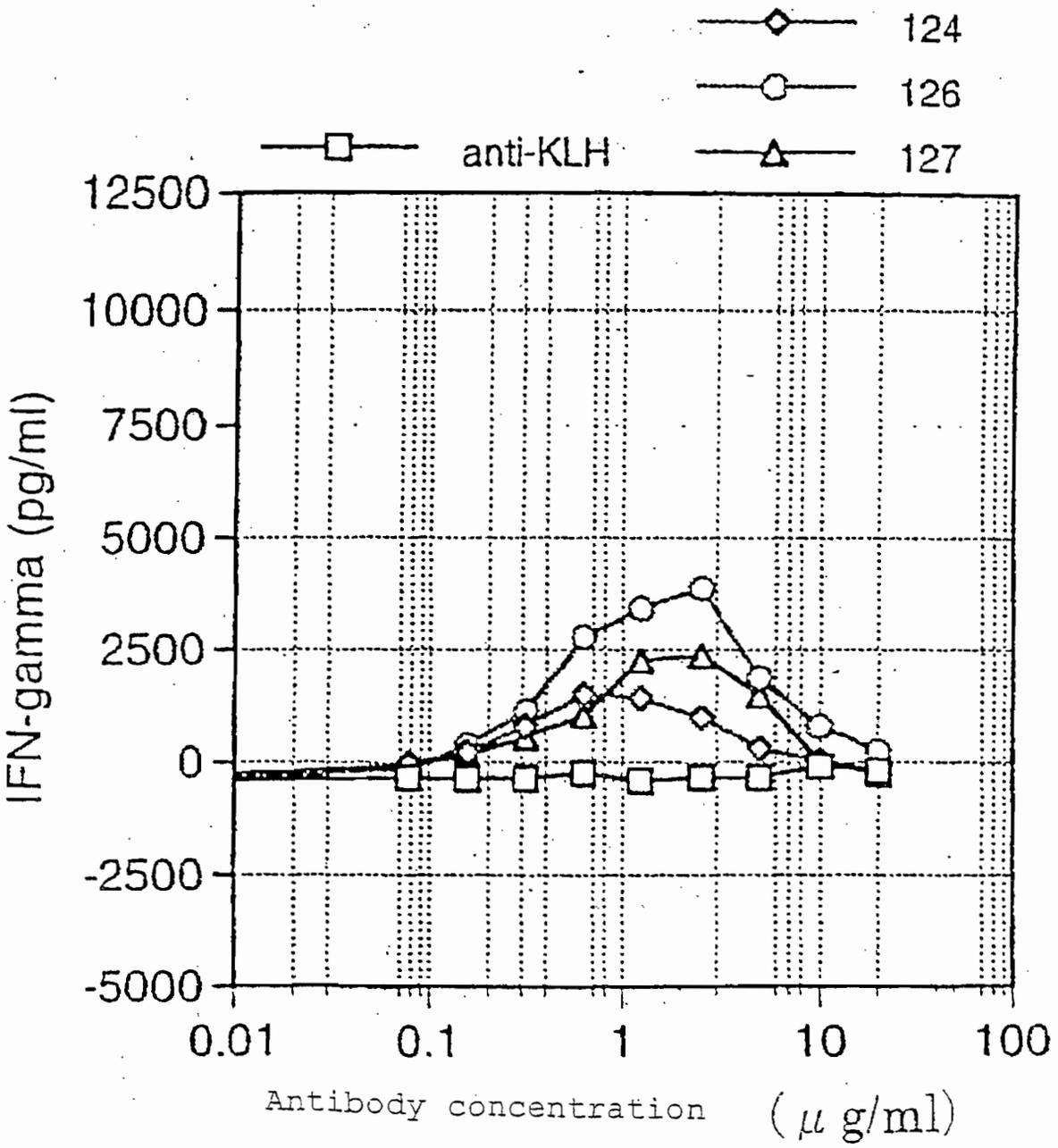

124
126
anti-KLH
127
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 45

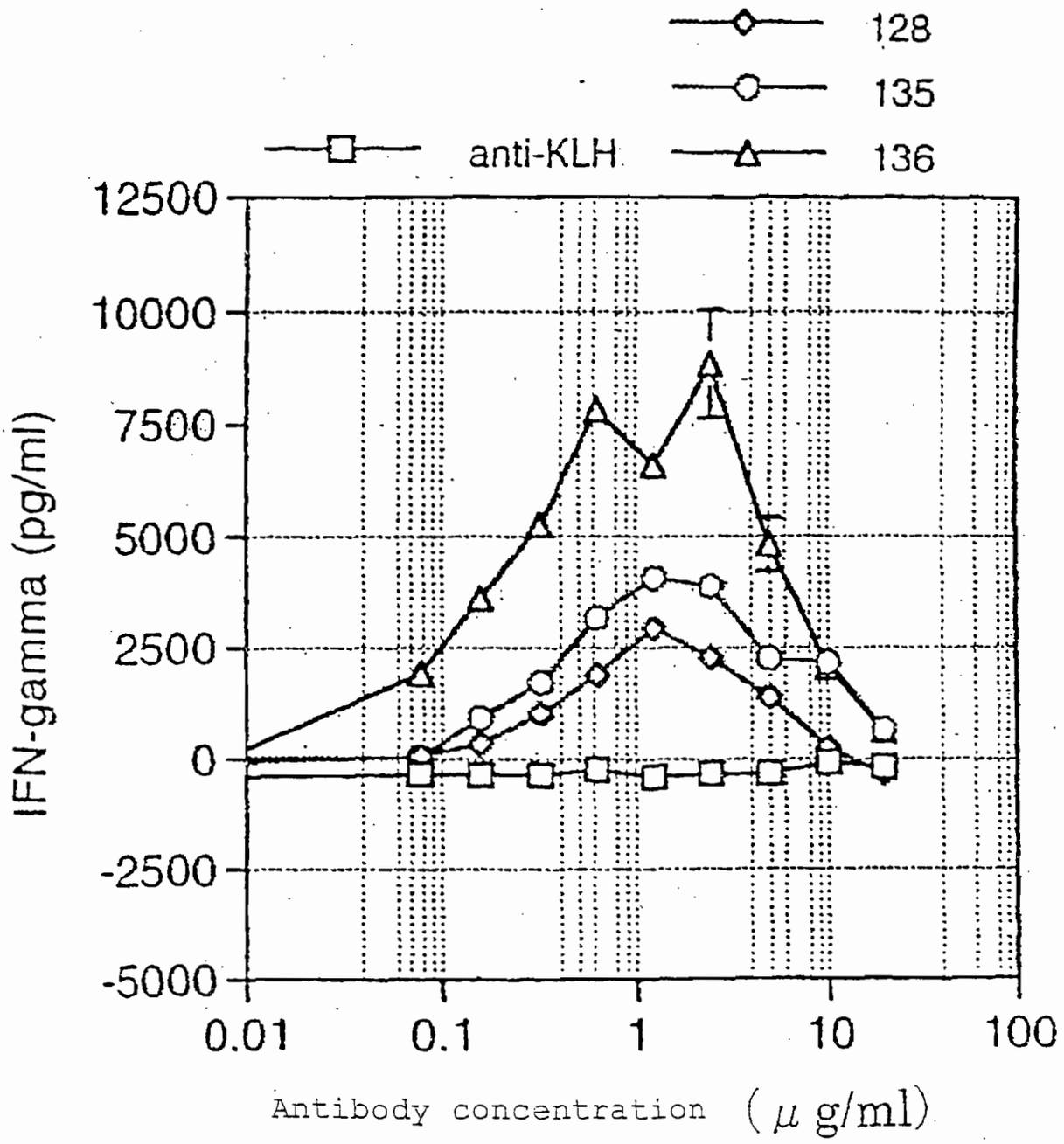

128
135
anti-KLH
136
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 46

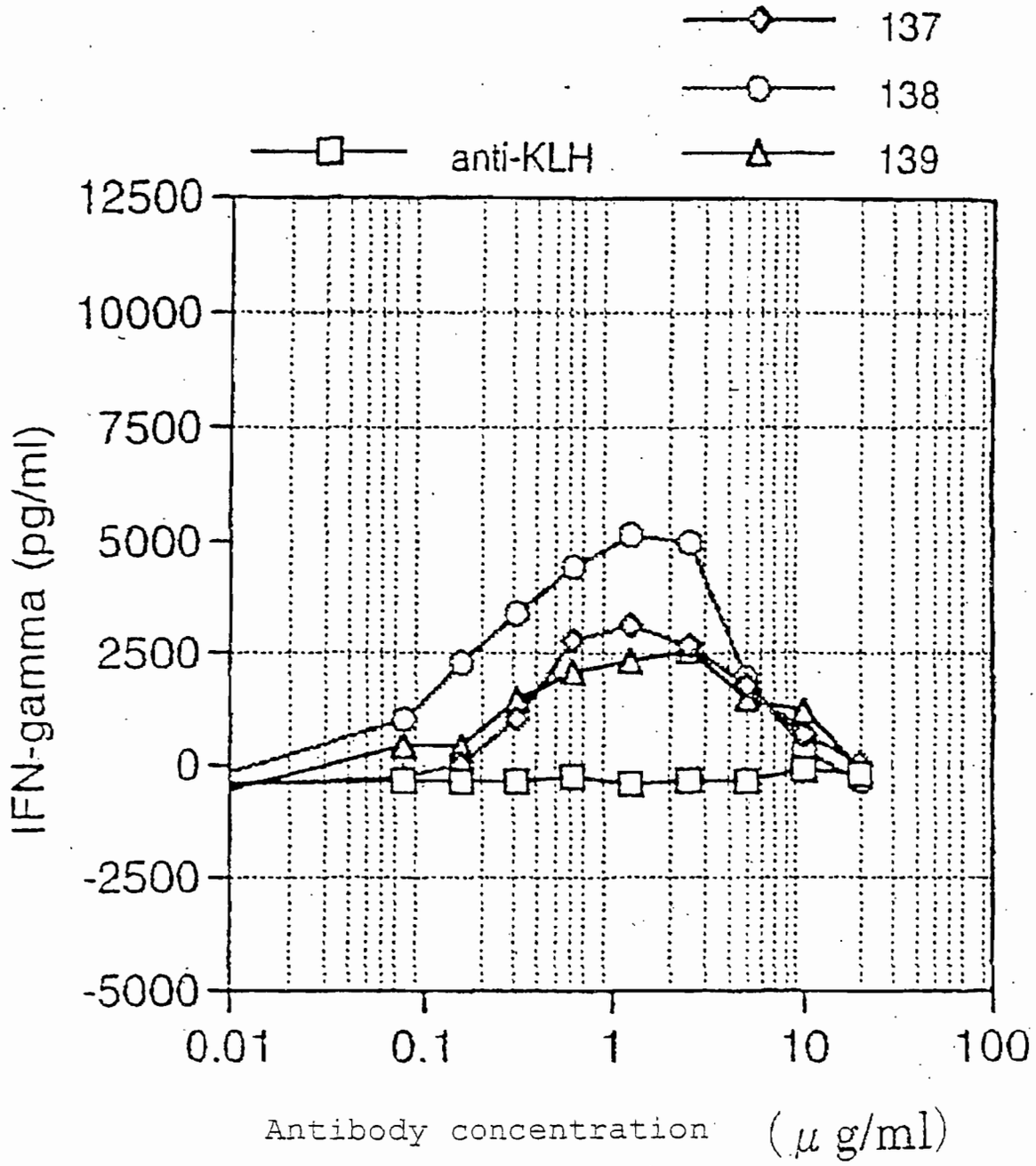

137
138
anti-KLH
139
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 47

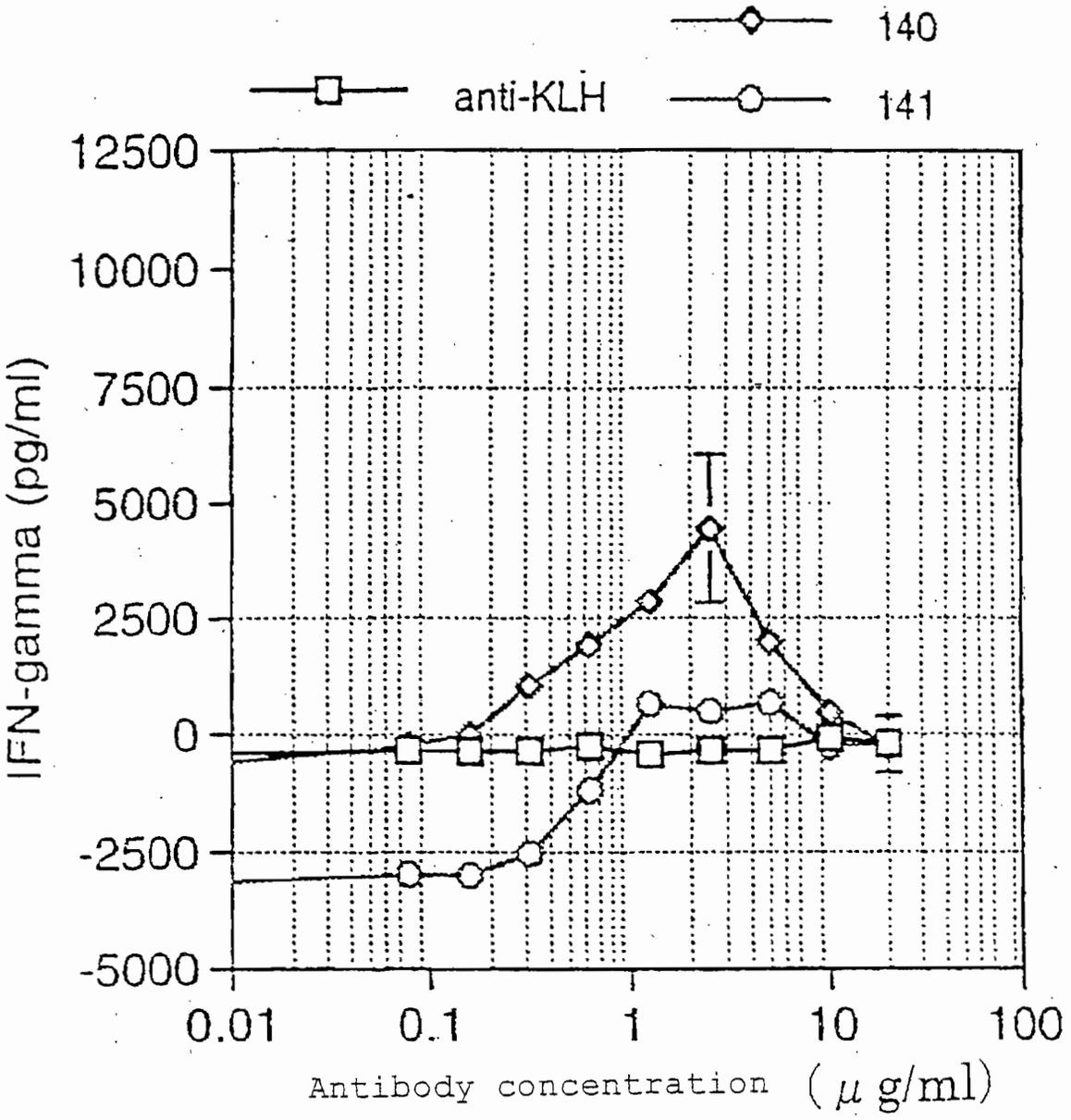

140
anti-KLH
141
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 48

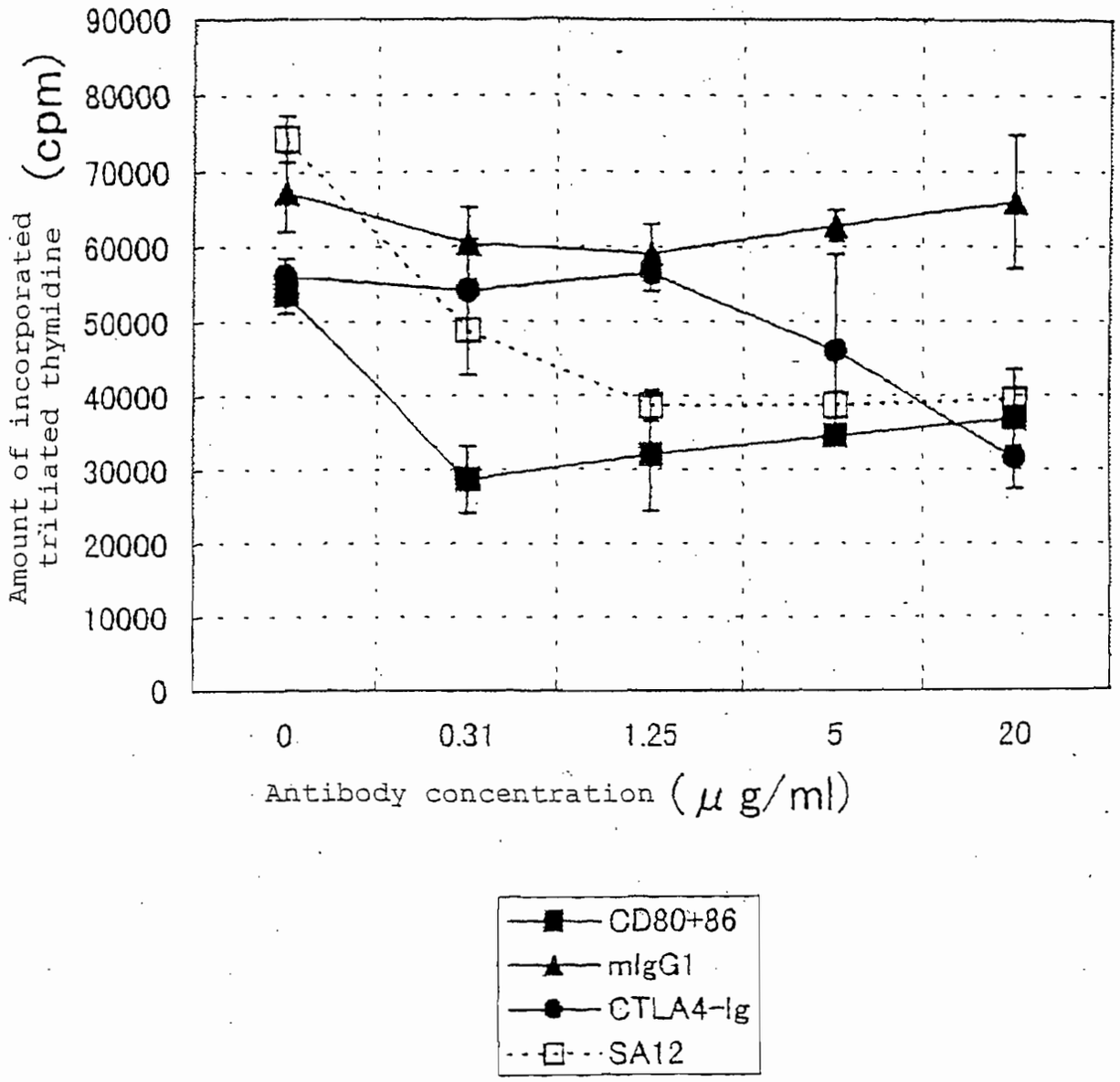

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 49

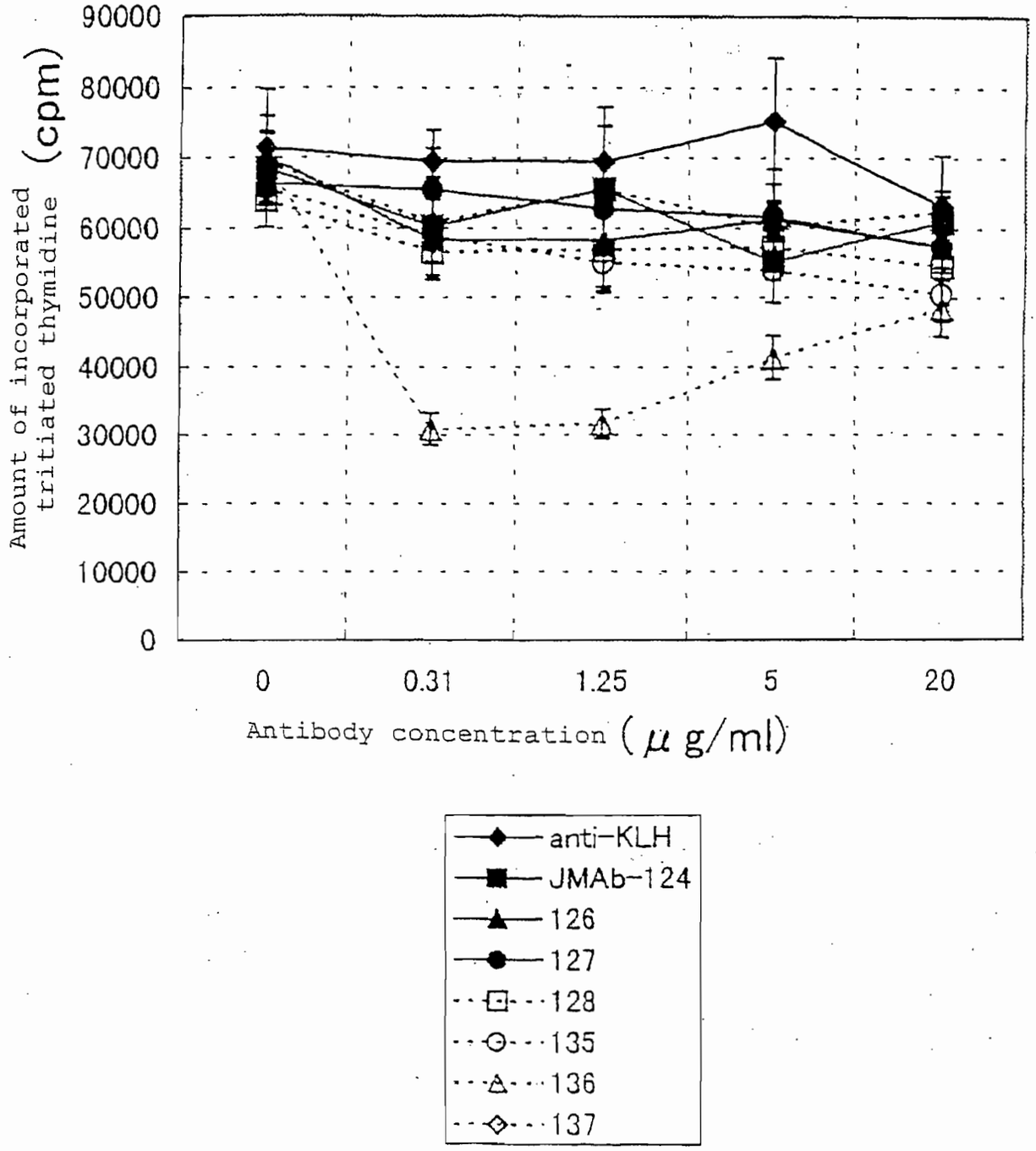

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 50

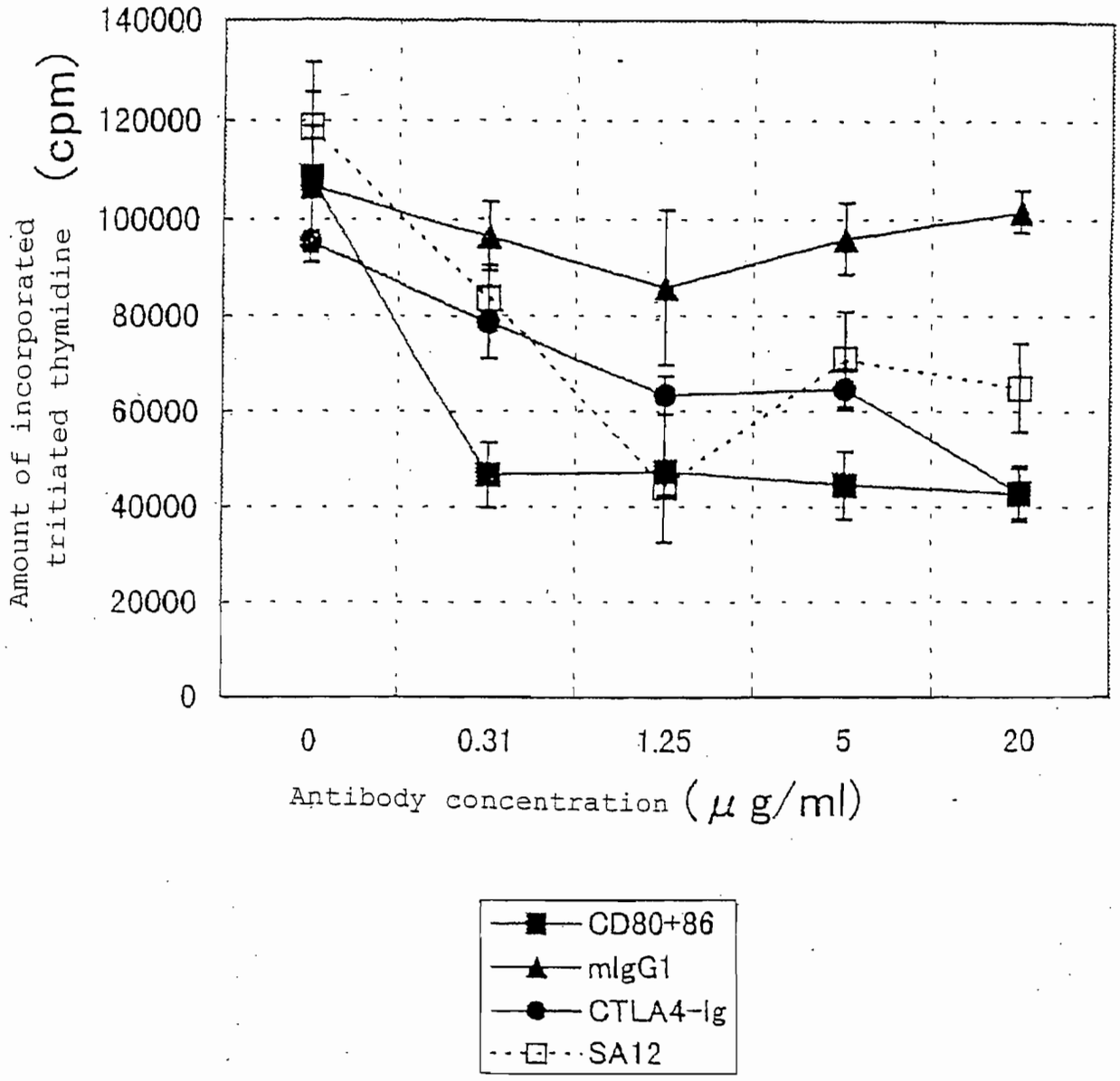

140000
120000
100000
80000
60000
40000
20000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 51

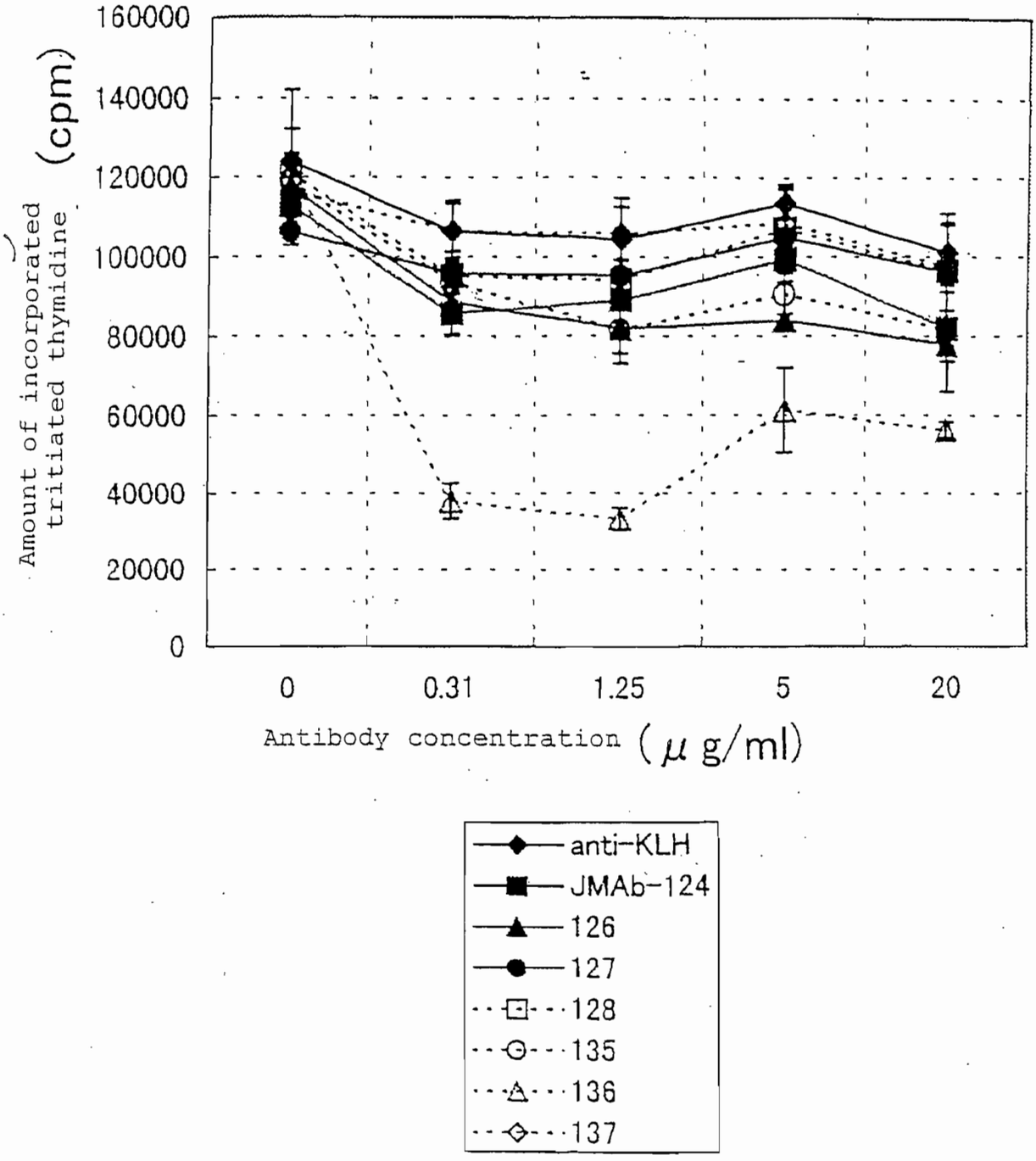

160000
140000
120000
100000
80000
60000
40000
20000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 52

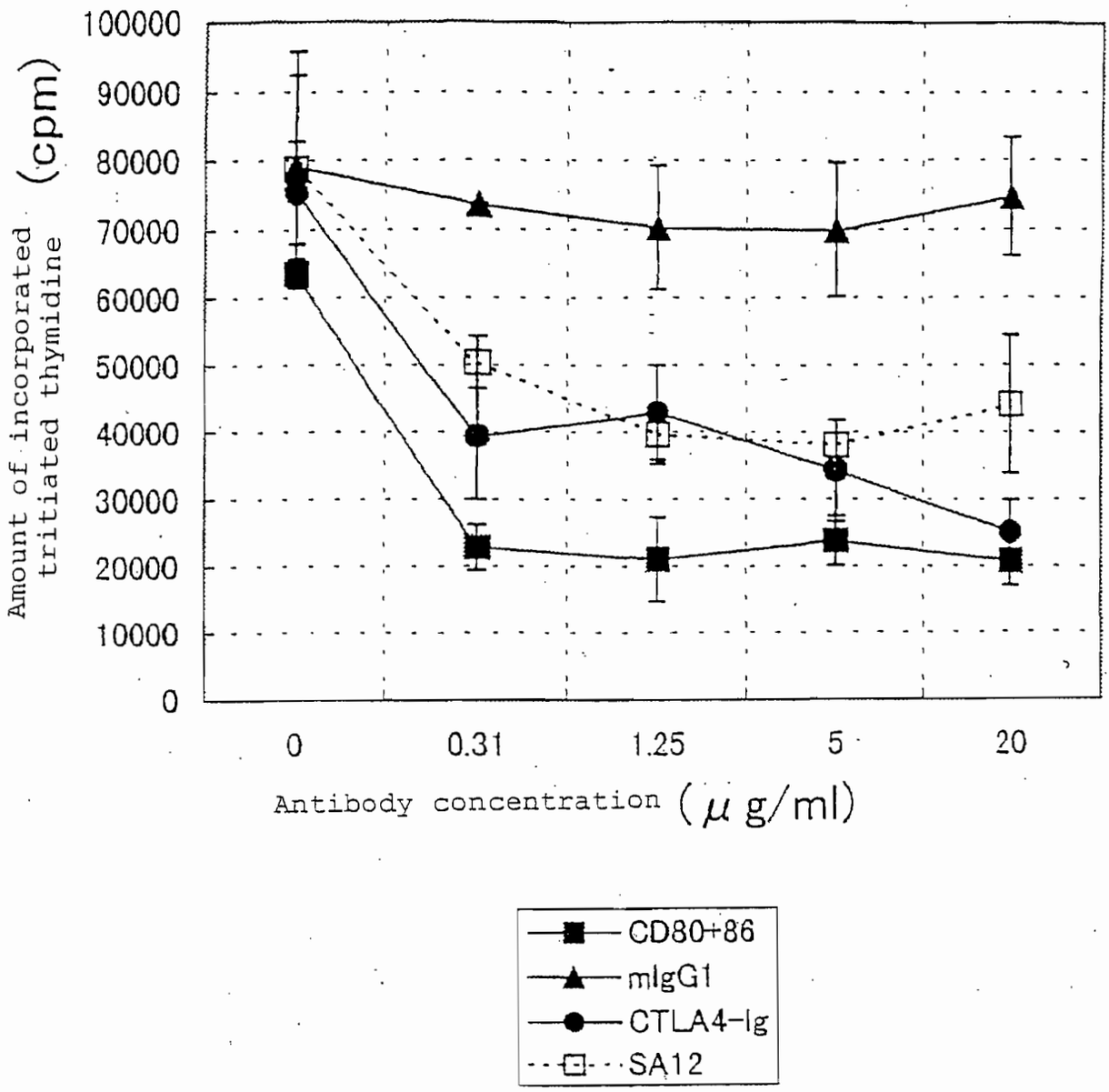

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 53

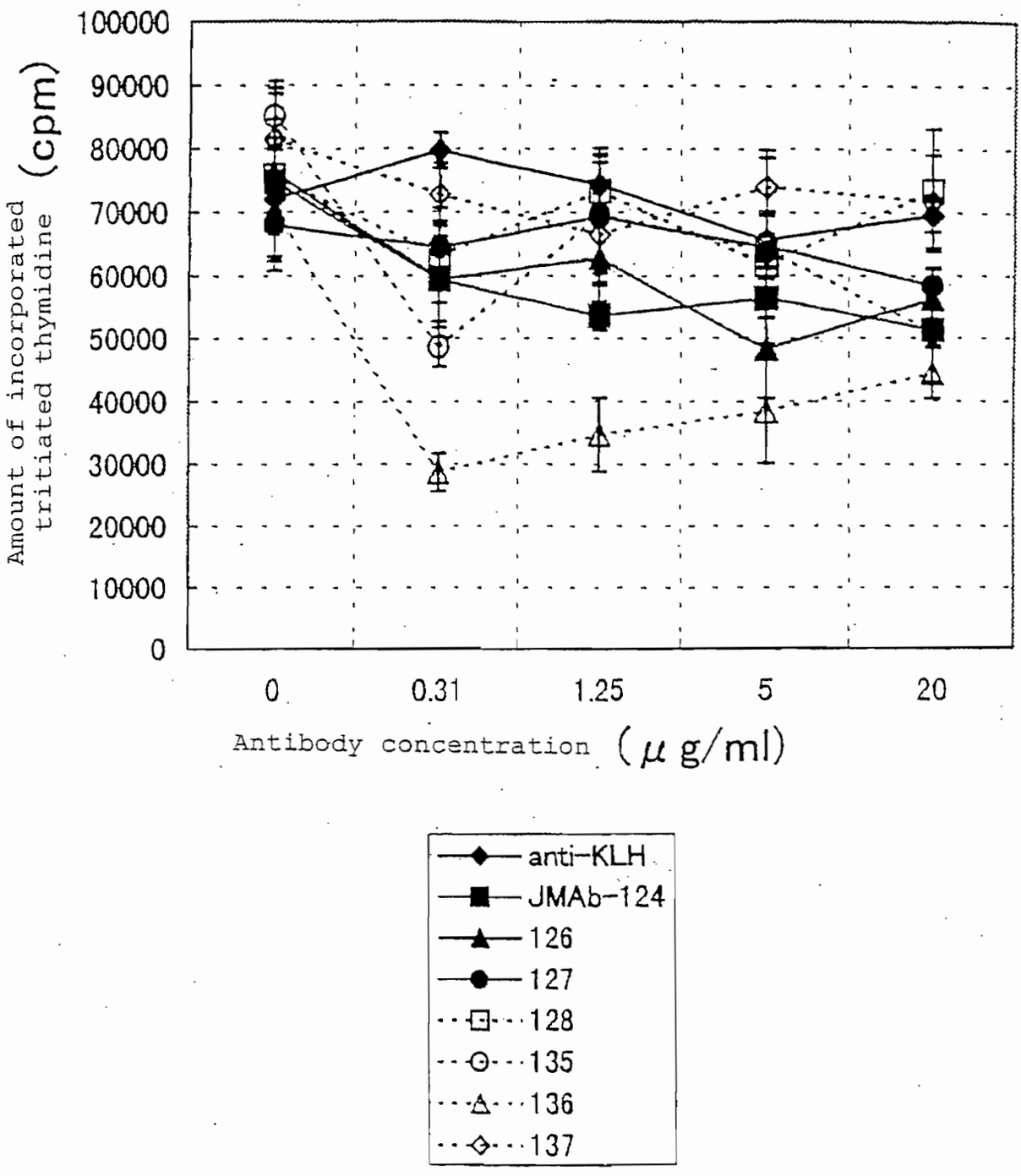

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 54

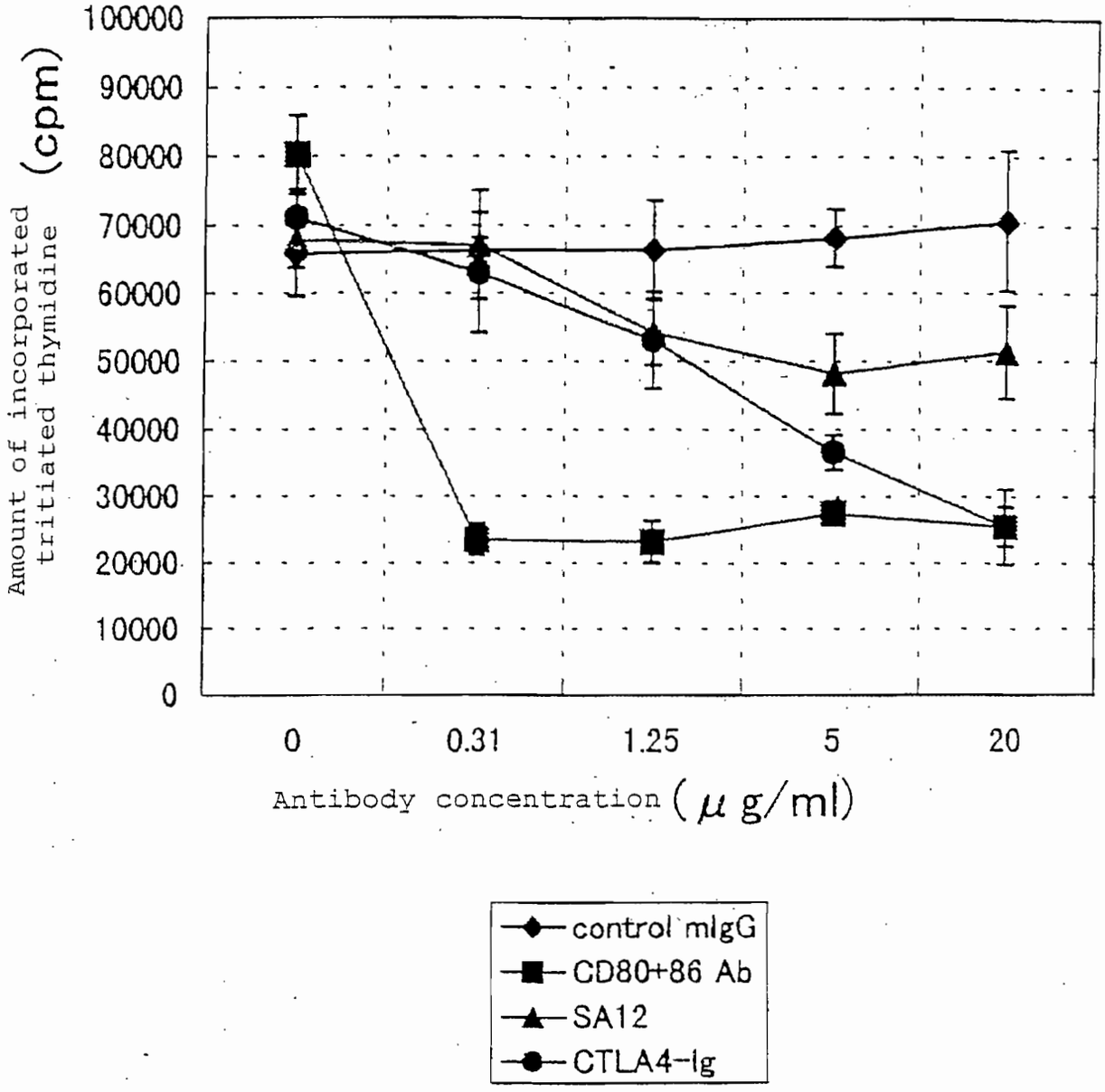

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 55

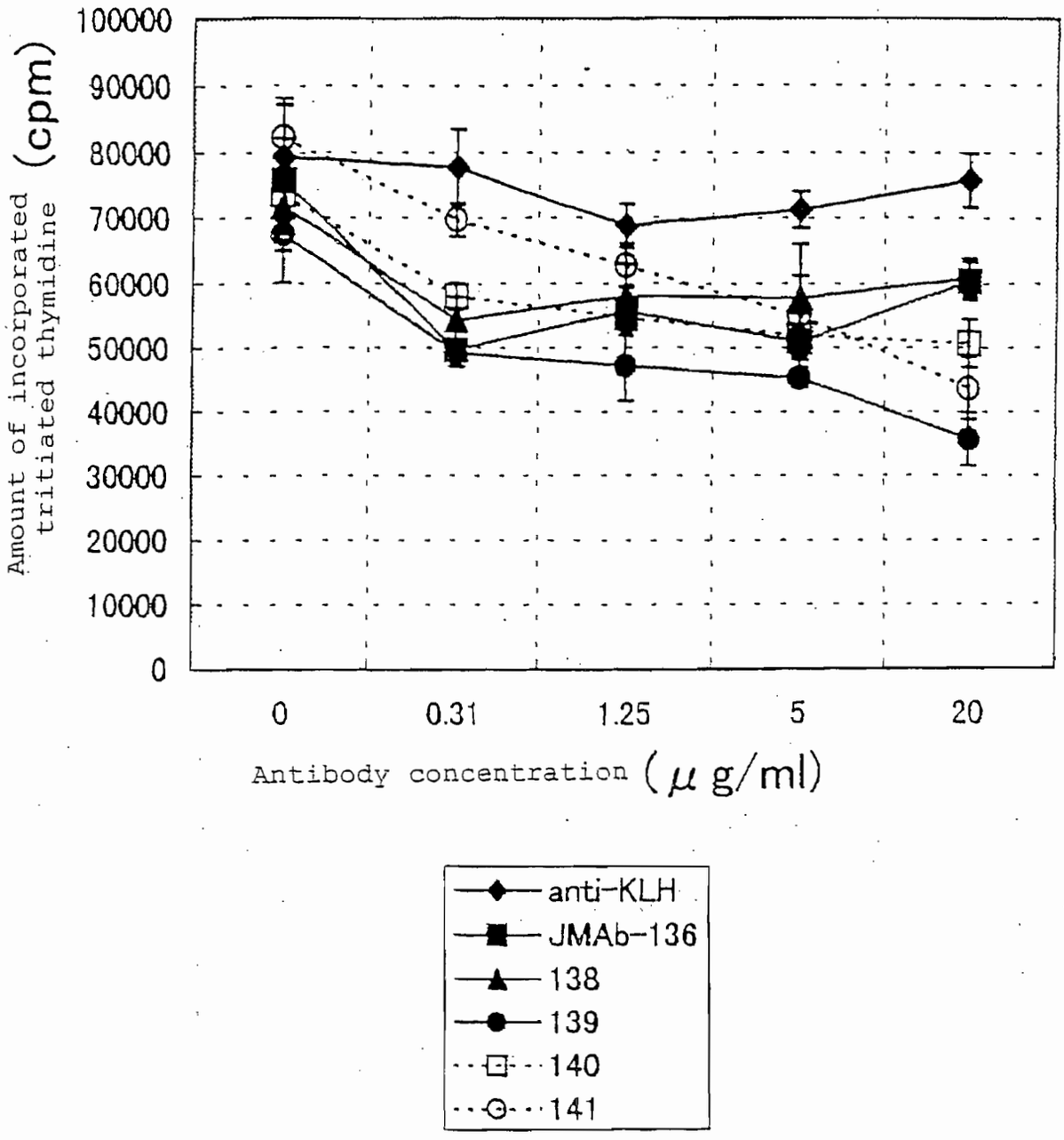

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 56

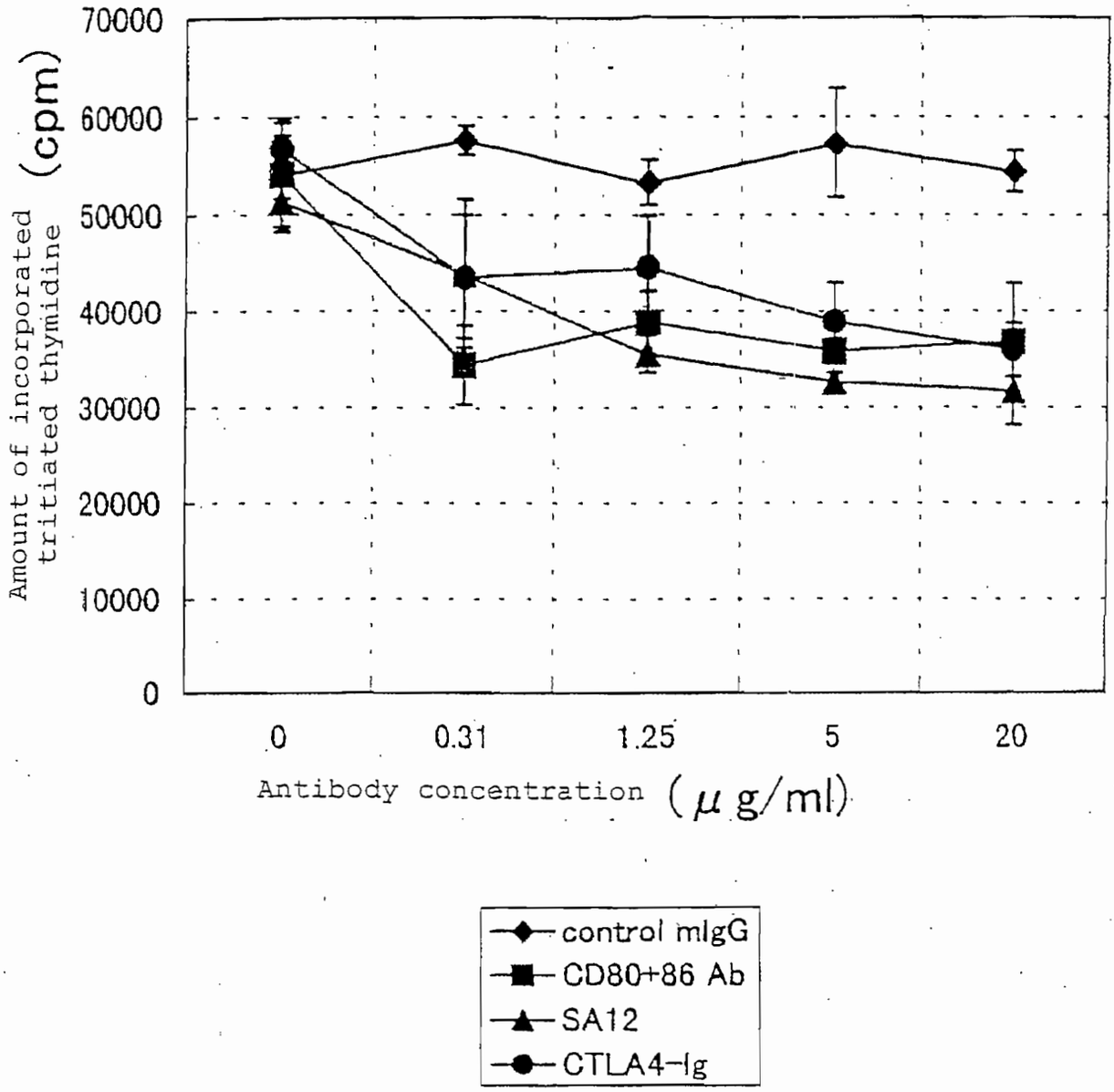

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 57

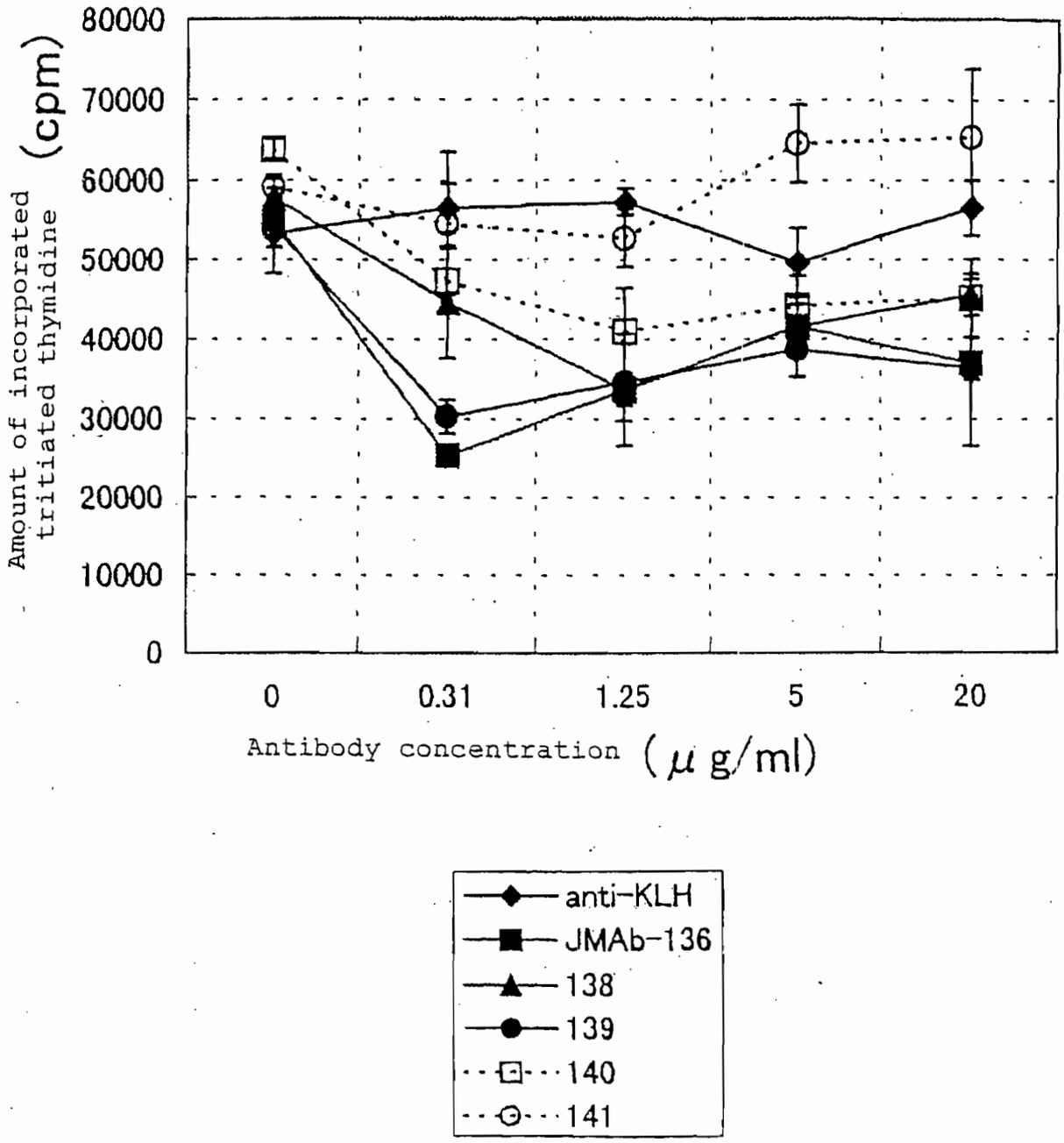

80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 58

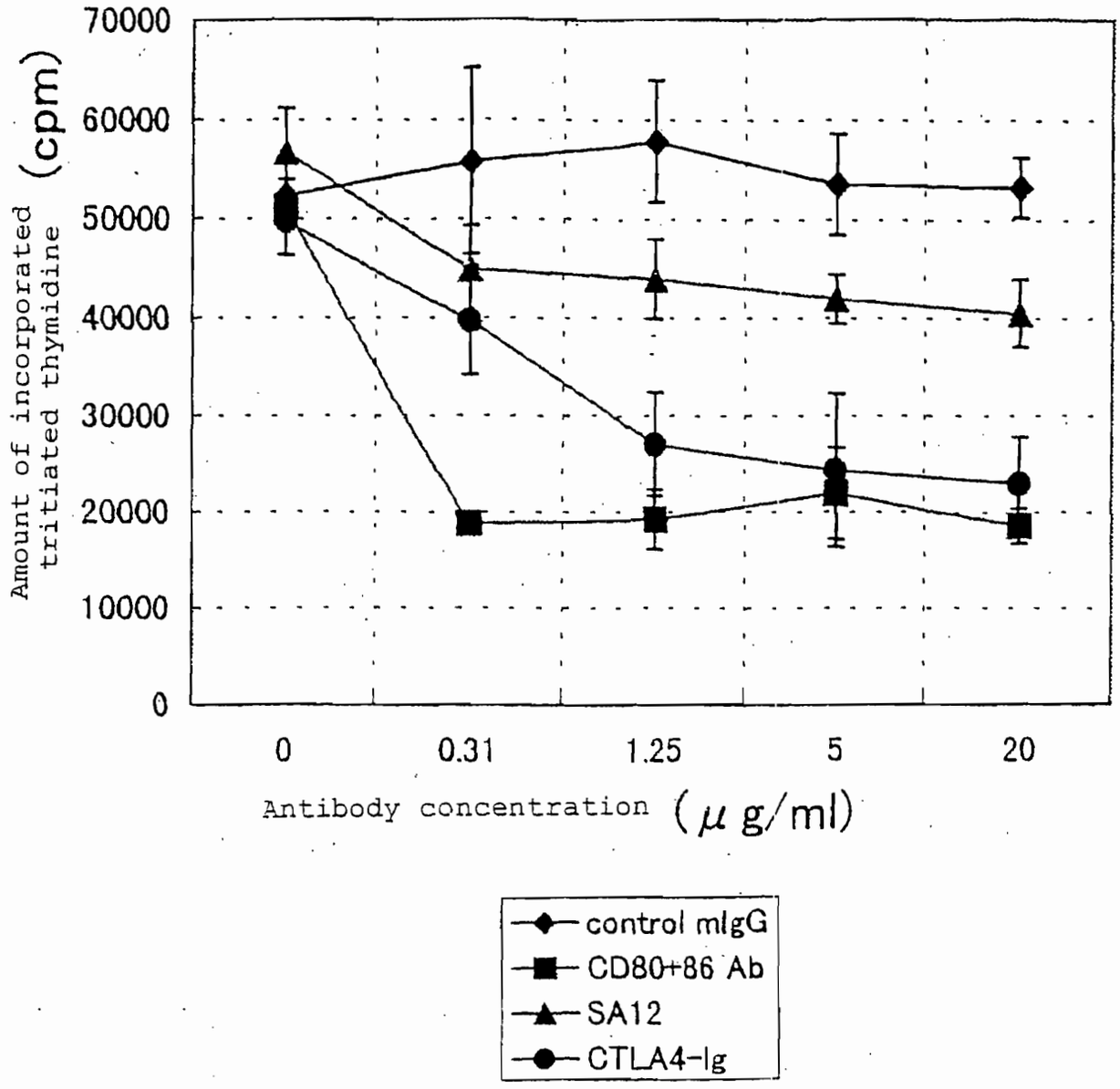

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 59

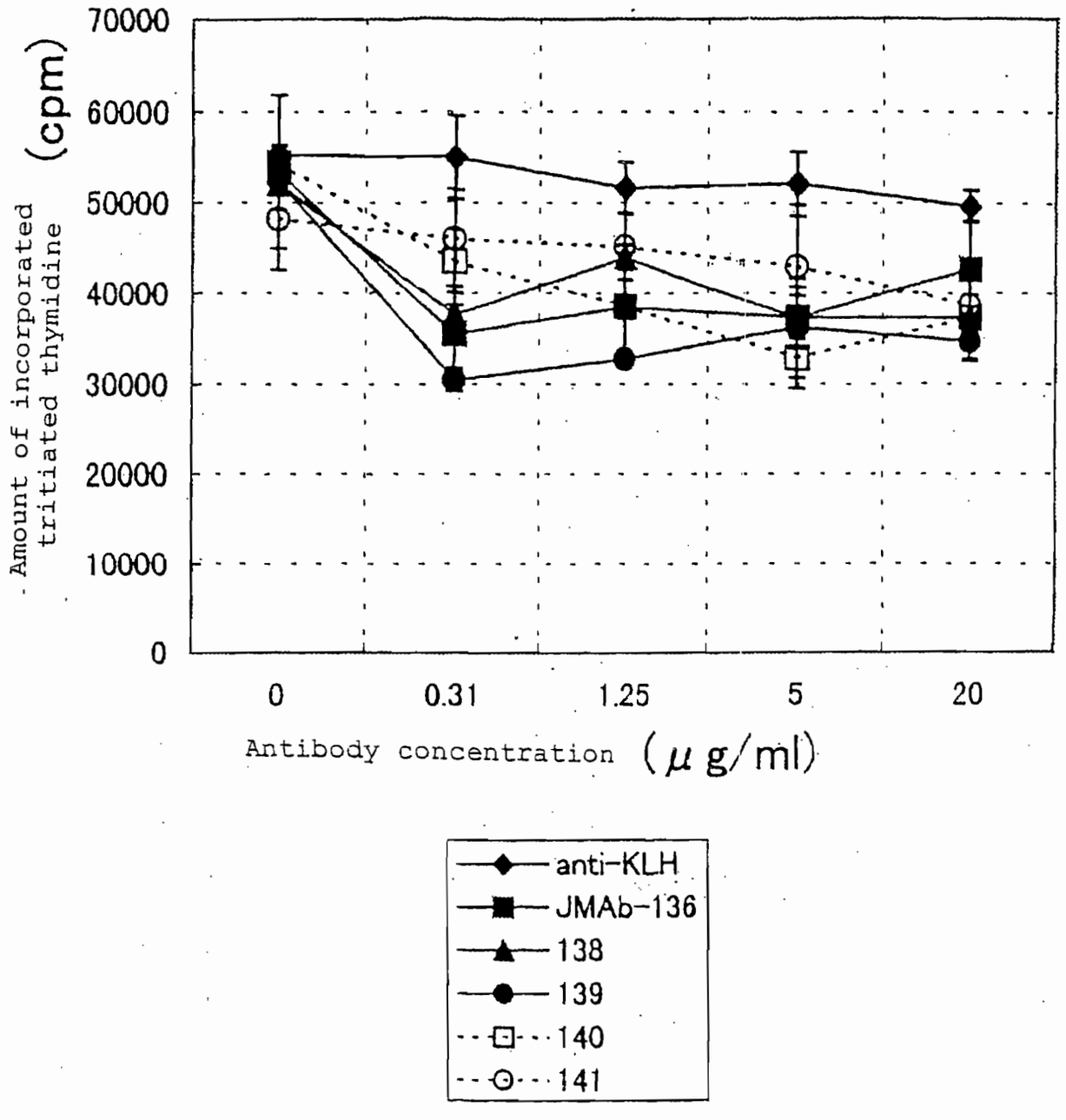

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 60

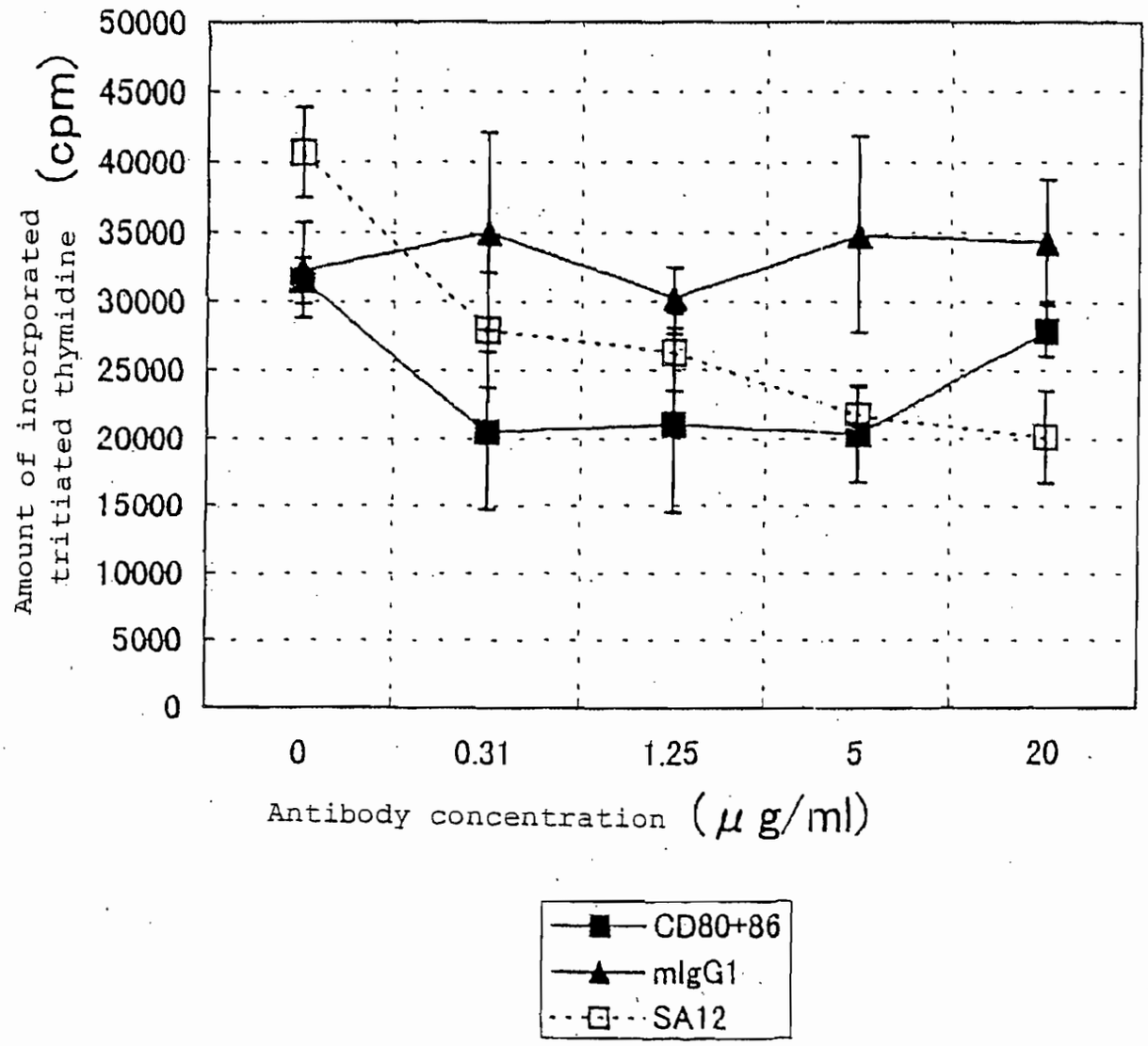

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 61

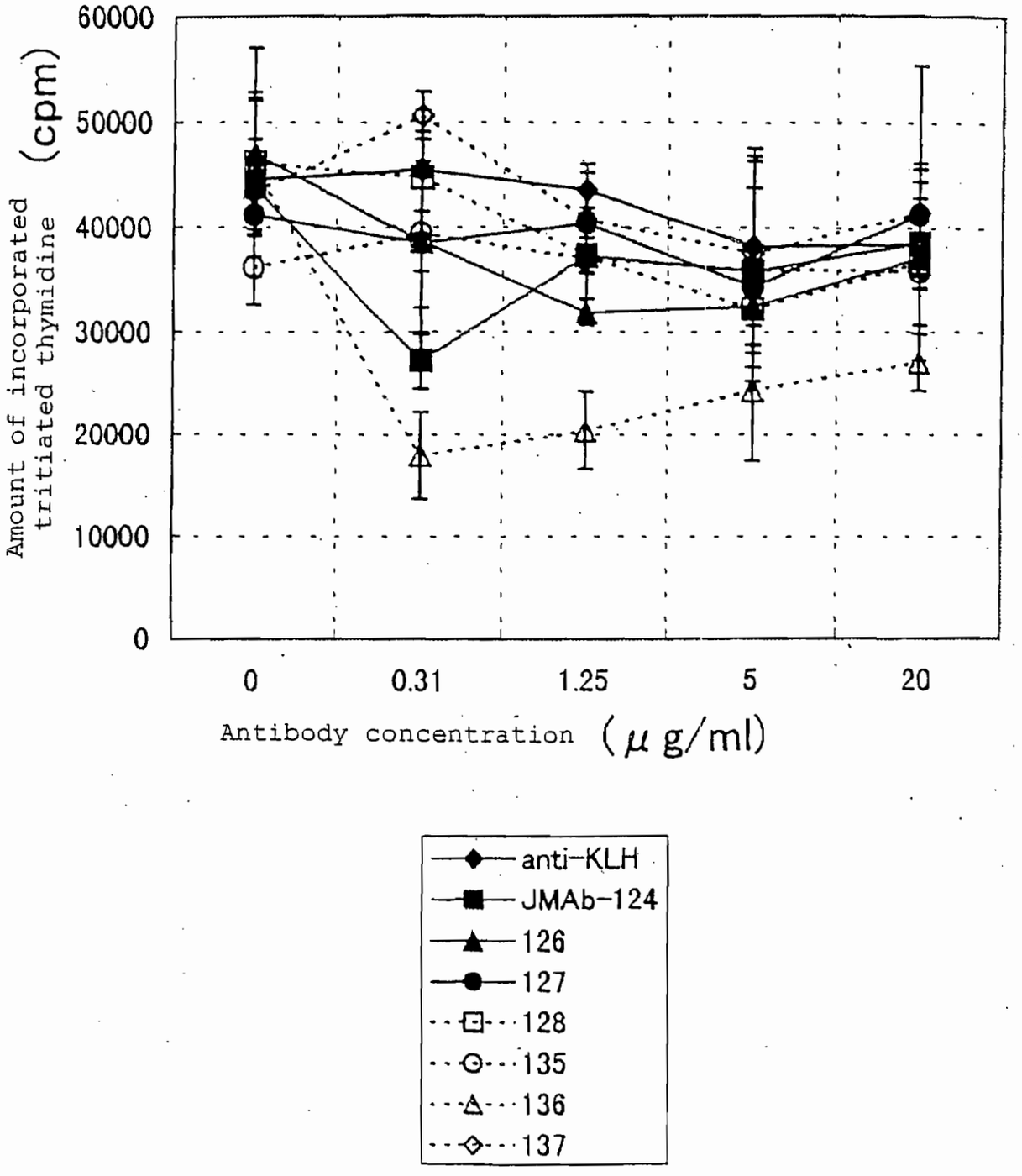

60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 62

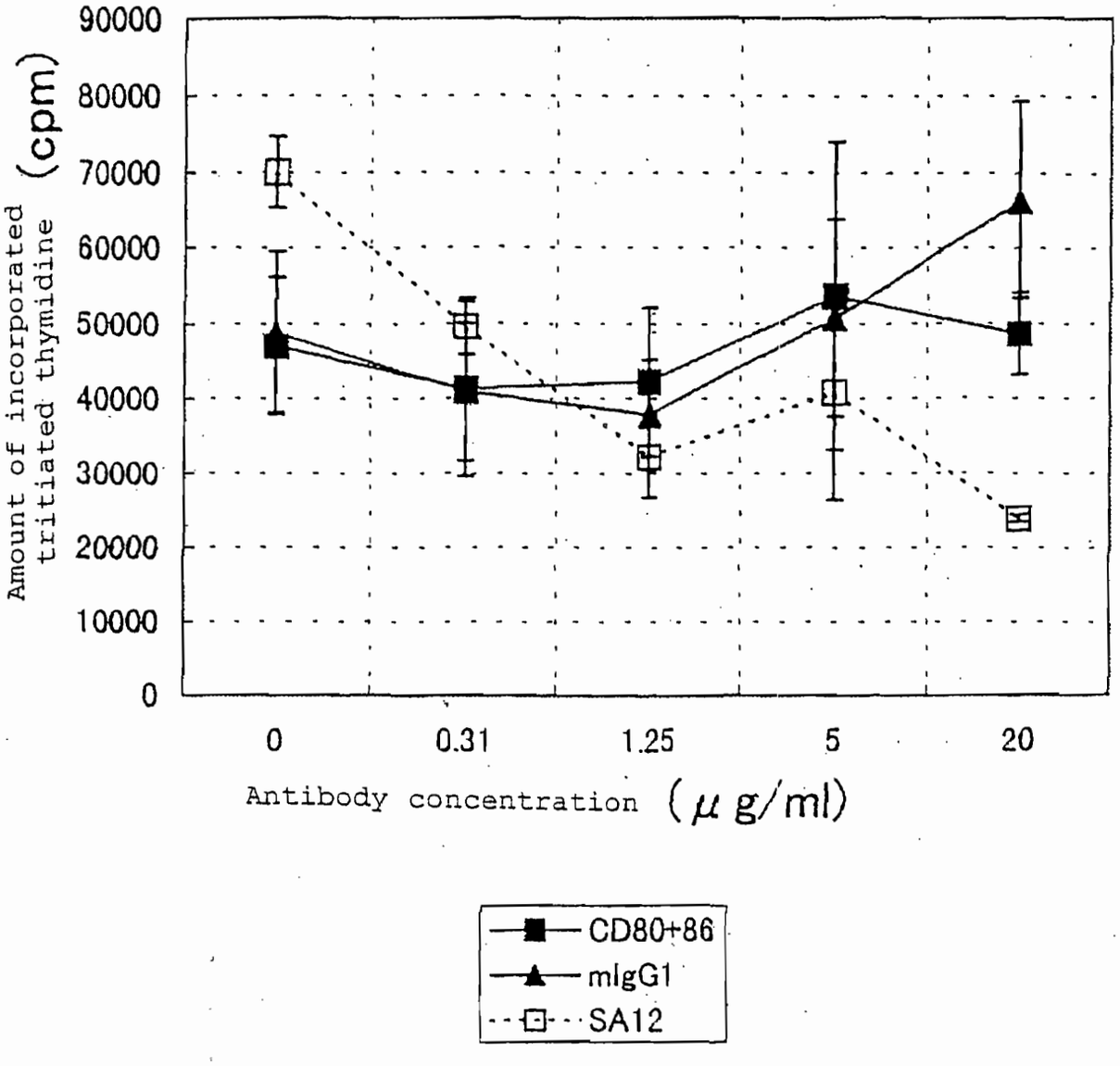

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 63

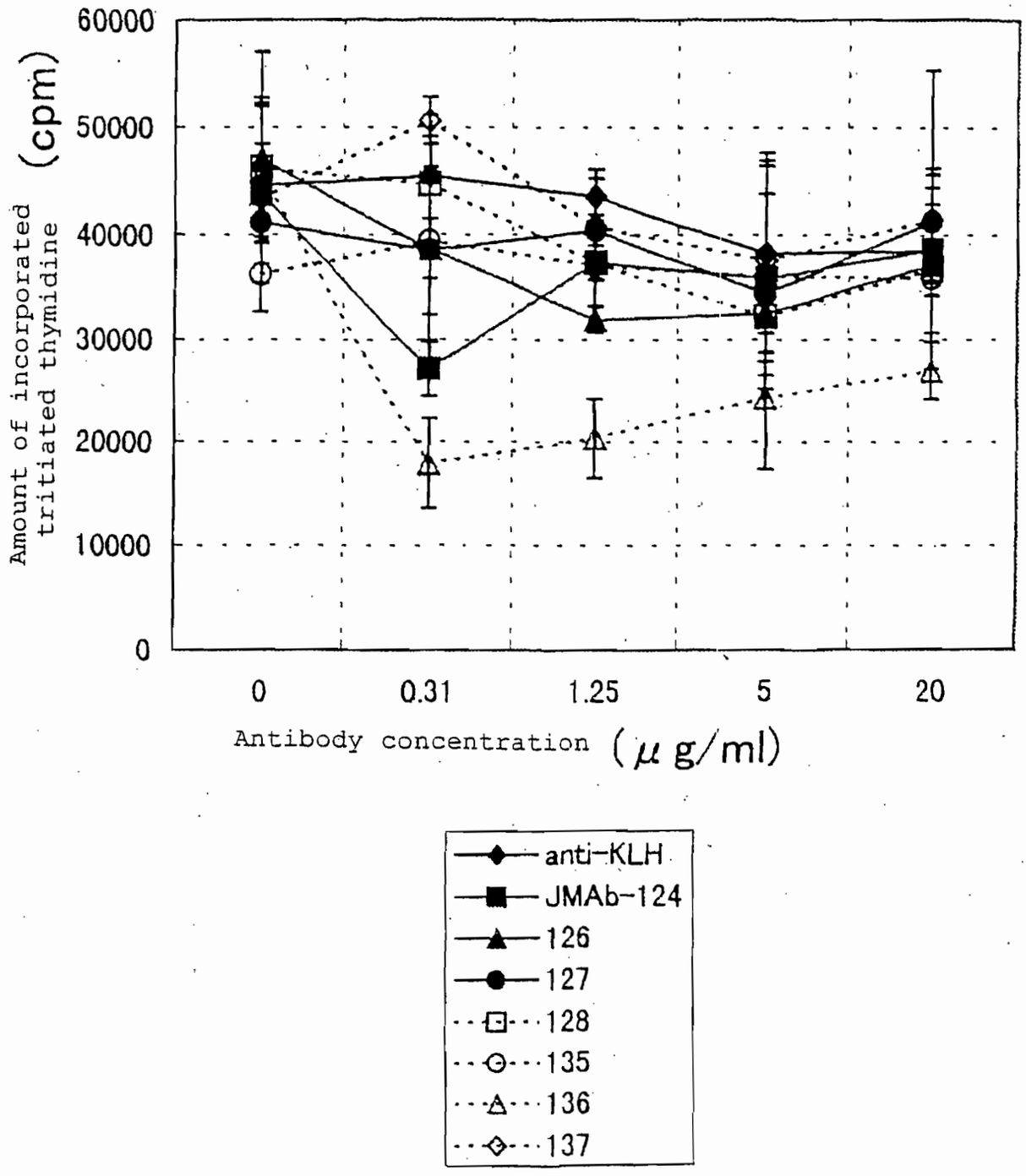

60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 64

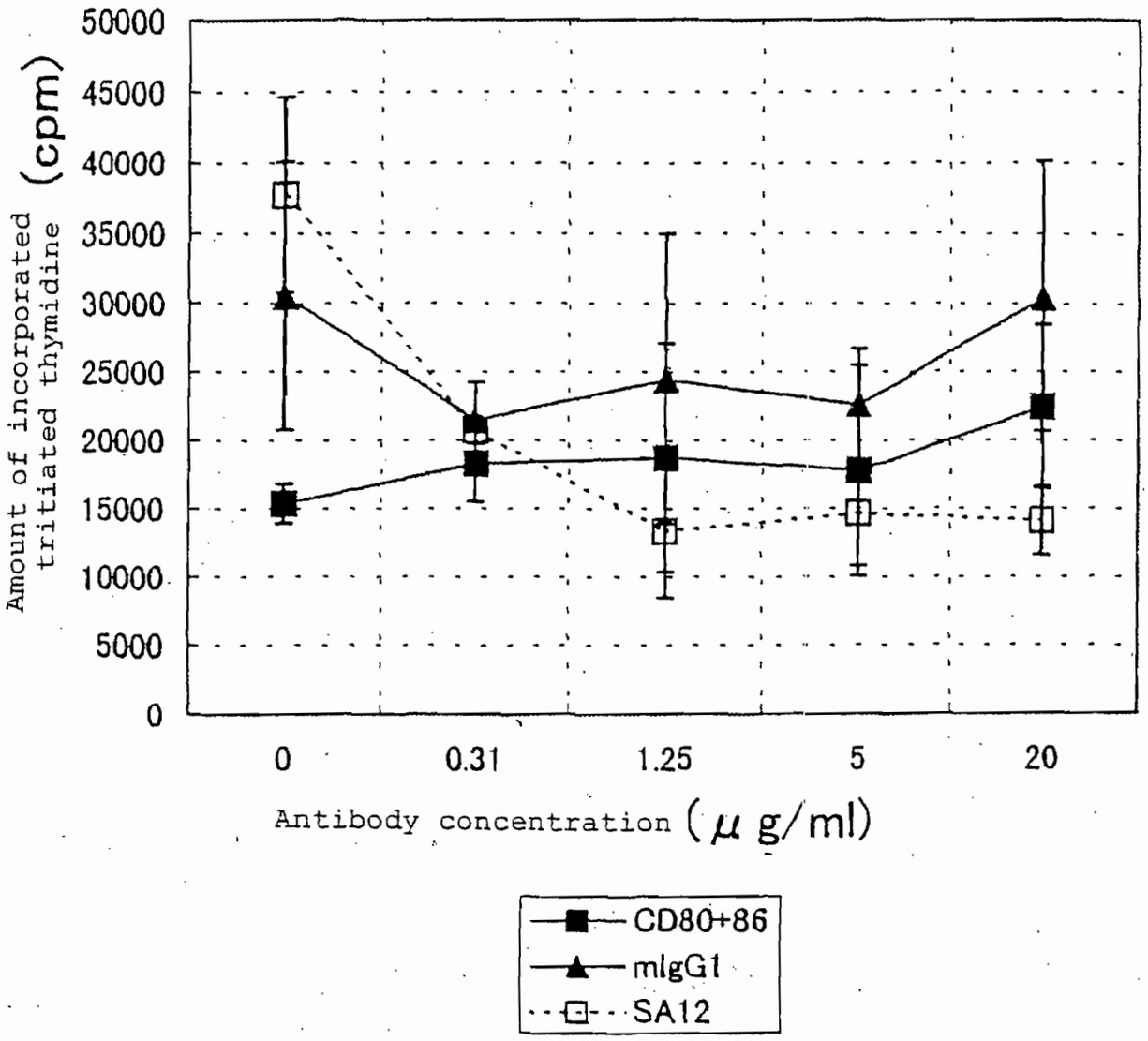

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 65

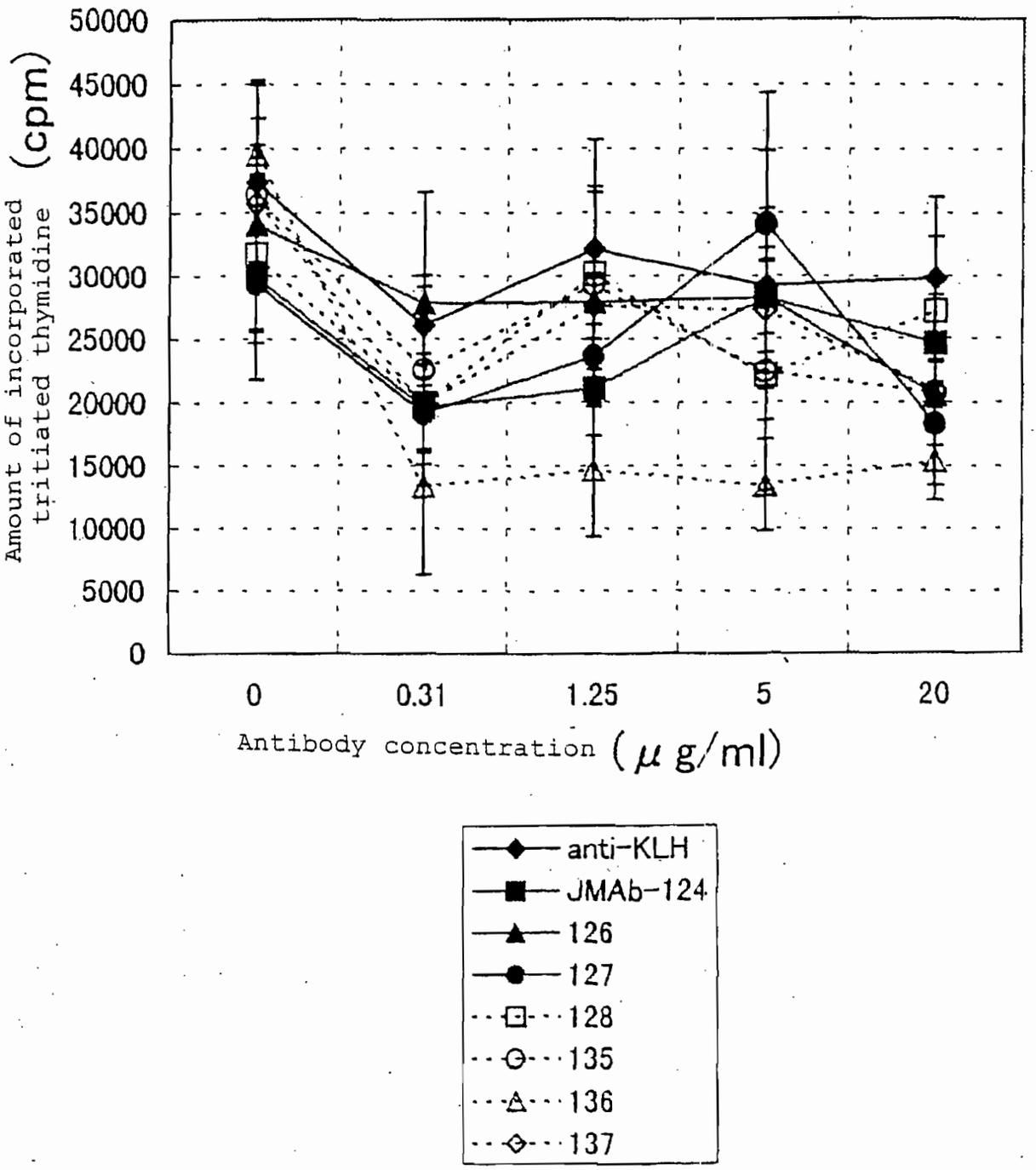

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 66

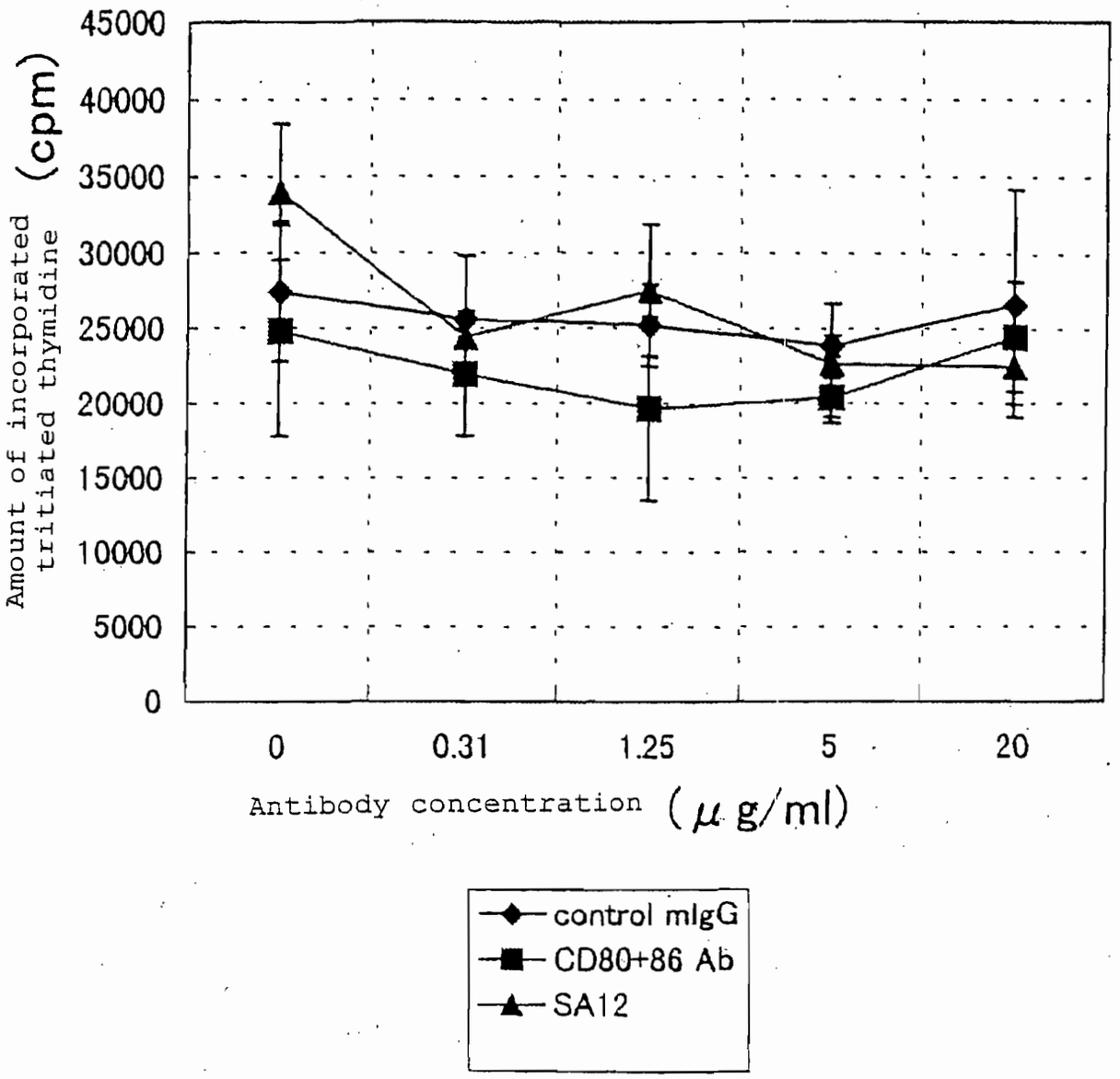

45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12

Figure 67

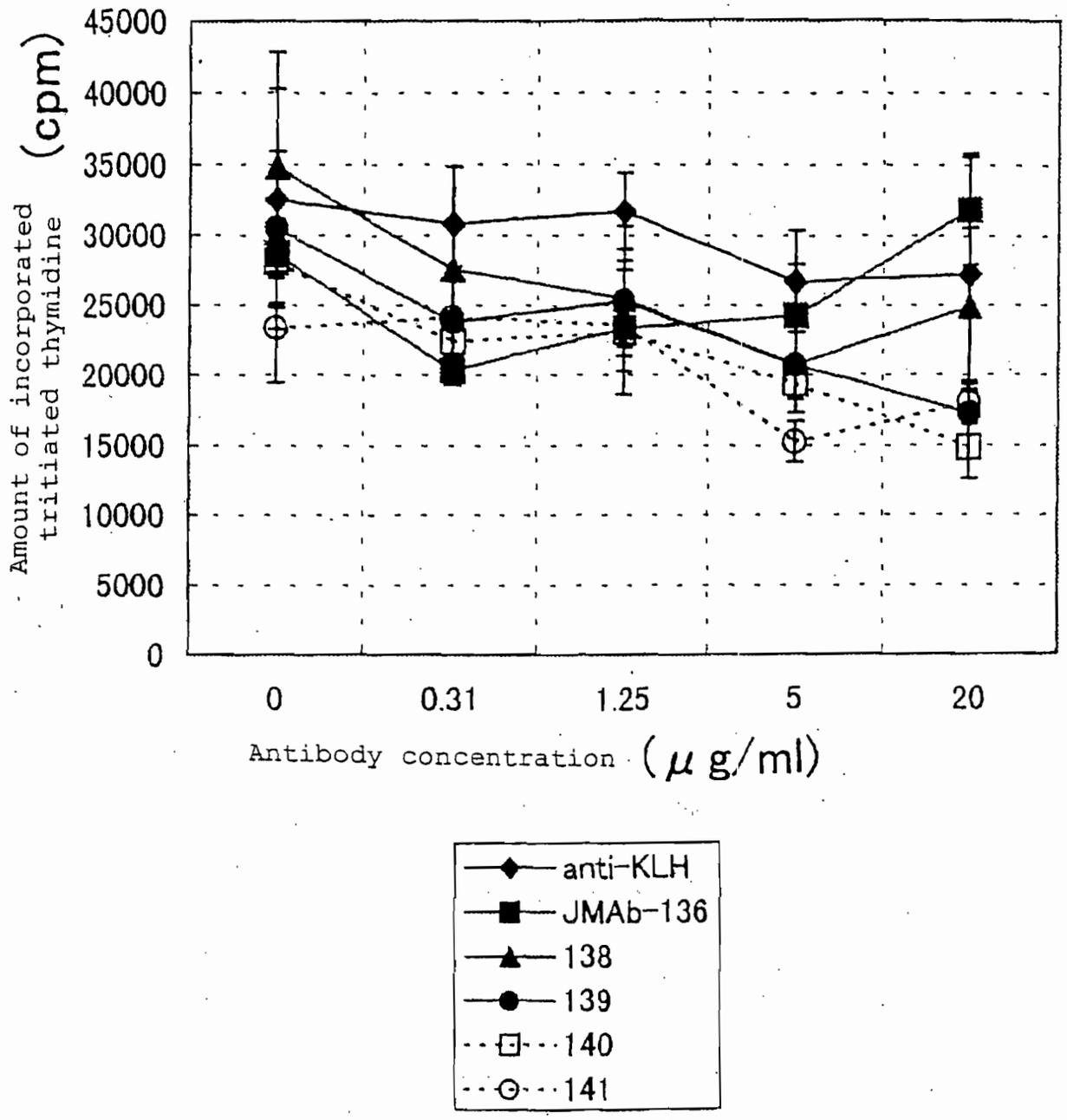

45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 68

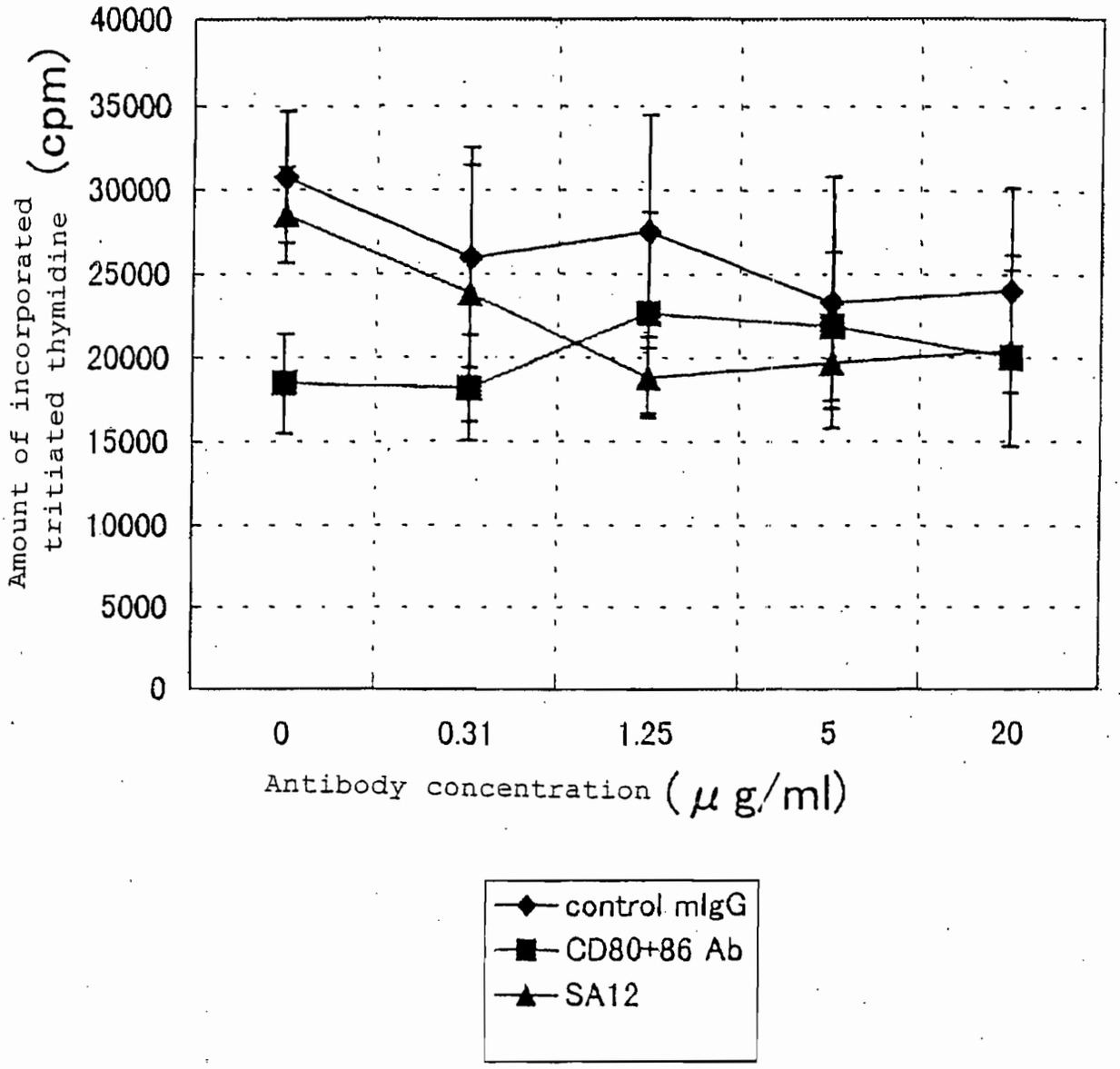

40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12

Figure 69

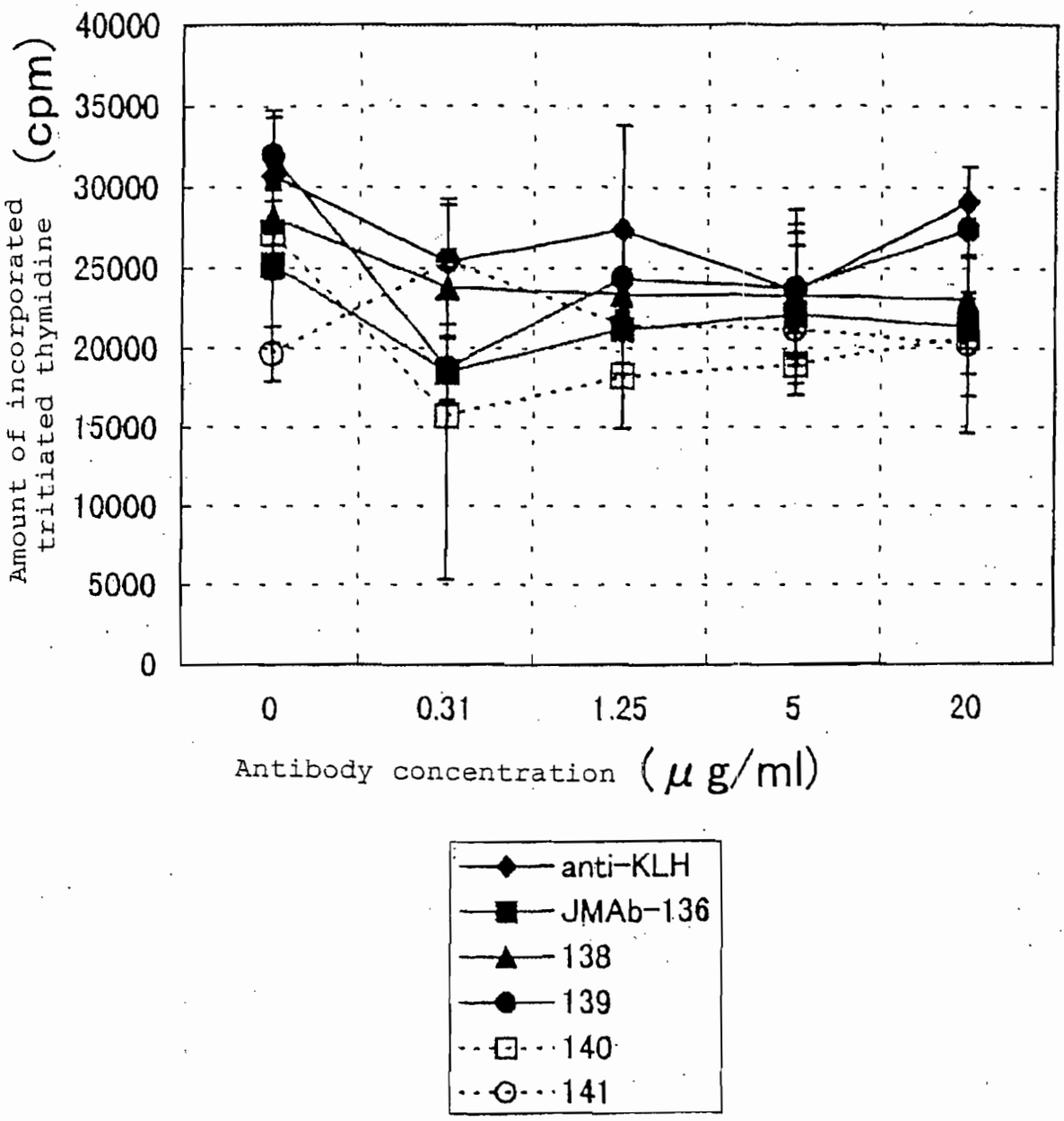

40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 70

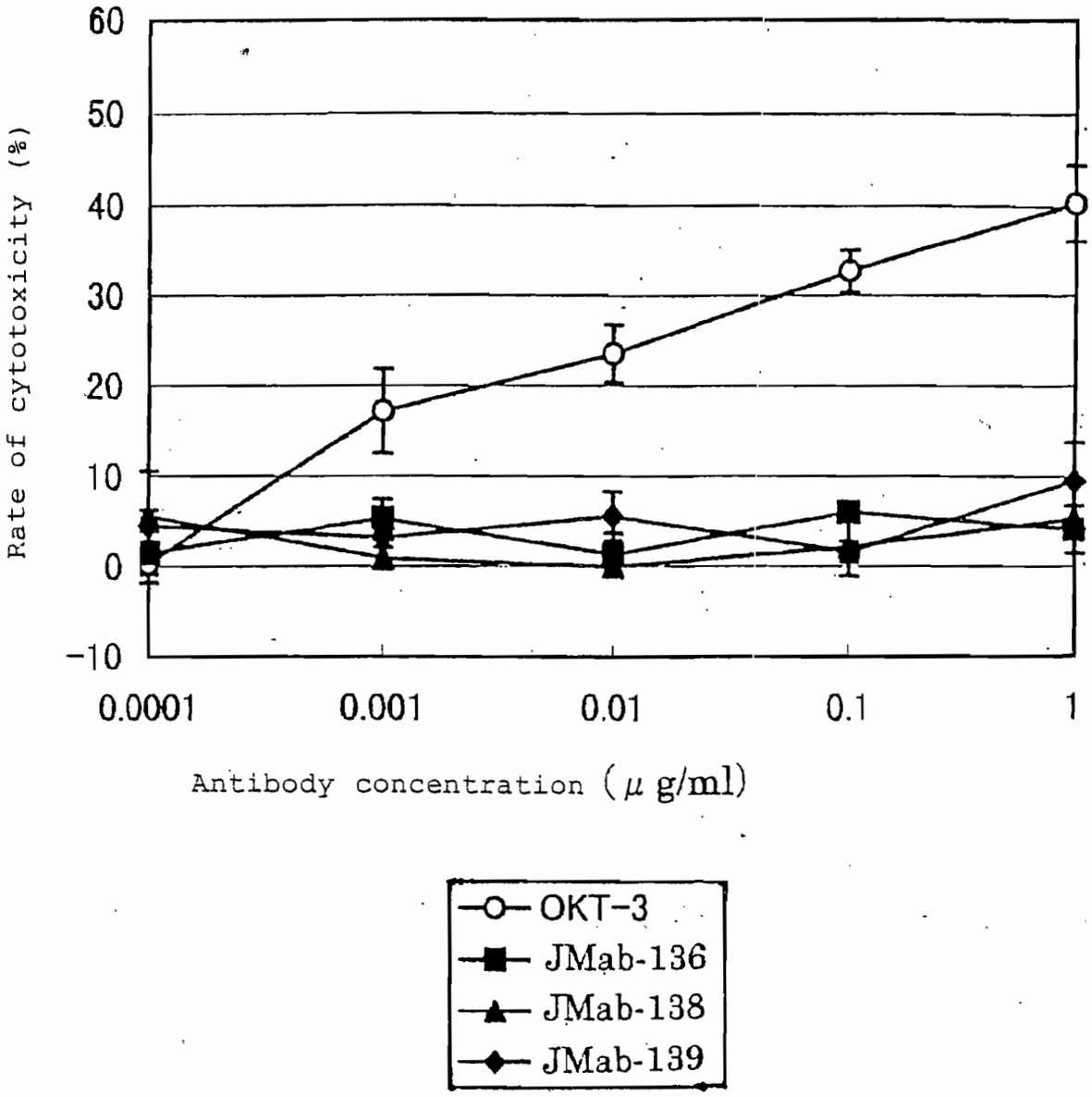

60
50
40
30
20
10
0
-10
Rate of cytotoxicity (%)
0.0001
0.001
0.01
0.1
1
Antibody concentration (μg/ml)
OKT-3
JMab-136
JMab-138
JMab-139

Figure 71

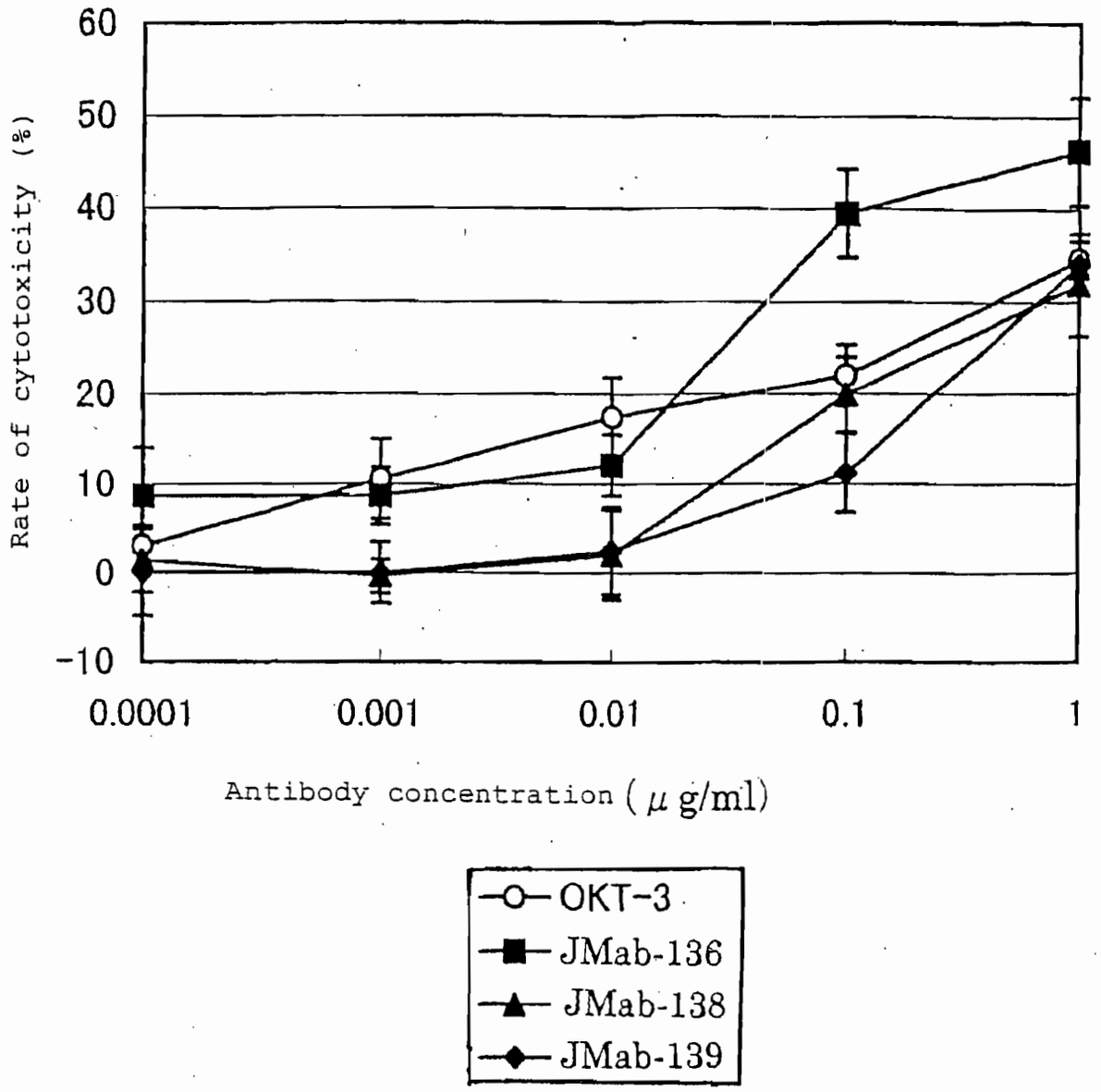

60
50
40
30
20
10
0
-10
Rate of cytotoxicity (%)
0.0001
0.001
0.01
0.1
1
Antibody concentration (μg/ml)
OKT-3
JMab-136
JMab-138
JMab-139

Figure 72

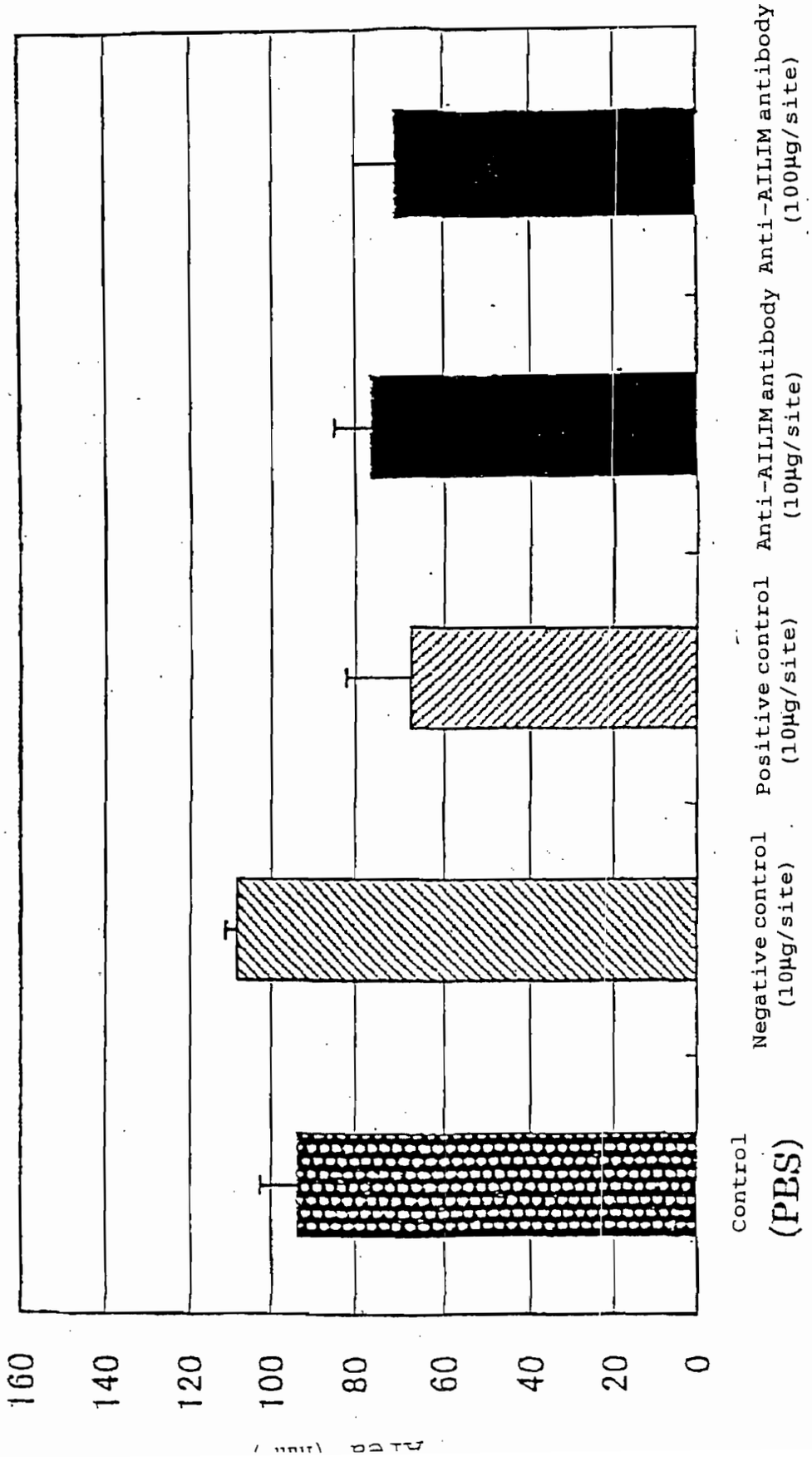

160
140
120
100
80
60
40
20
0
Control (PBS)
Negative control (10μg/site)
Positive control (10μg/site)
Anti-AILIM antibody (10μg/site)
Anti-AILIM antibody (100μg/site)

Figure 73

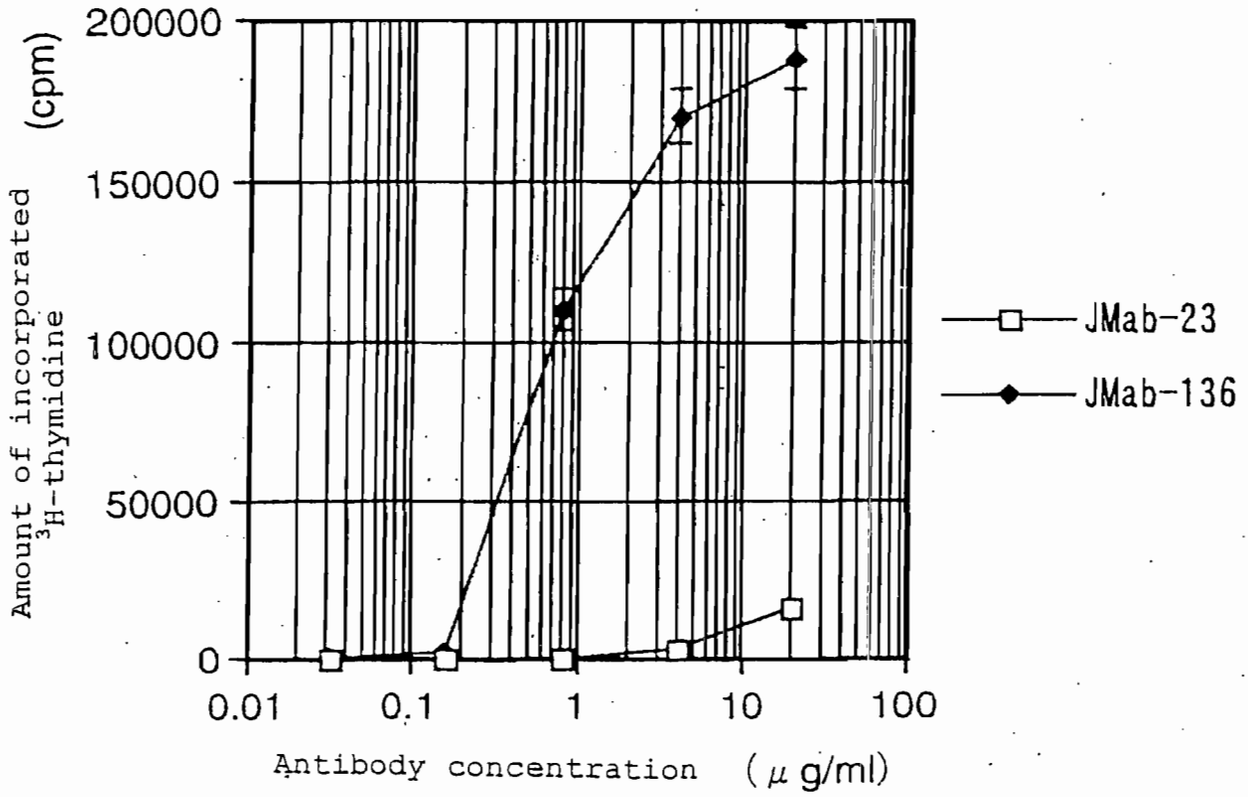
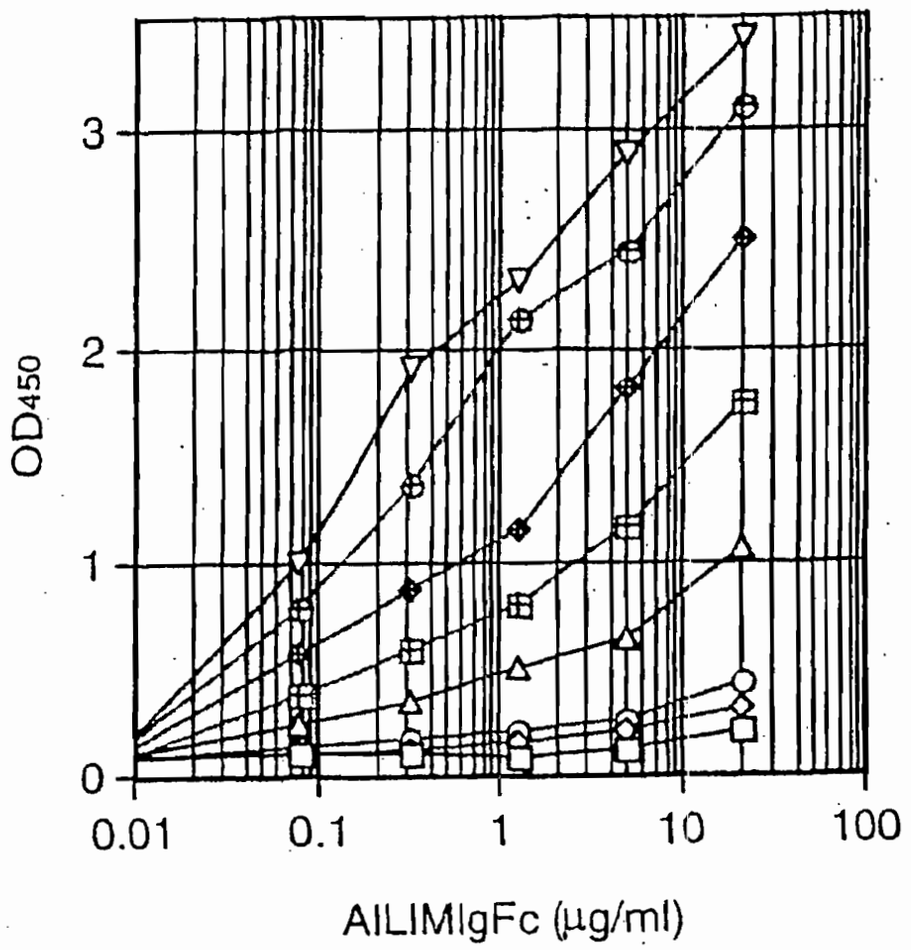

200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Antibody concentration (μg/ml)
JMab-23
JMab-136

Figure 74



Coated amount of B7hIgFc

0 ng/well-B7hIgFc

25 ng/well -B7hIgFc

50 ng/well -B7hIgFc

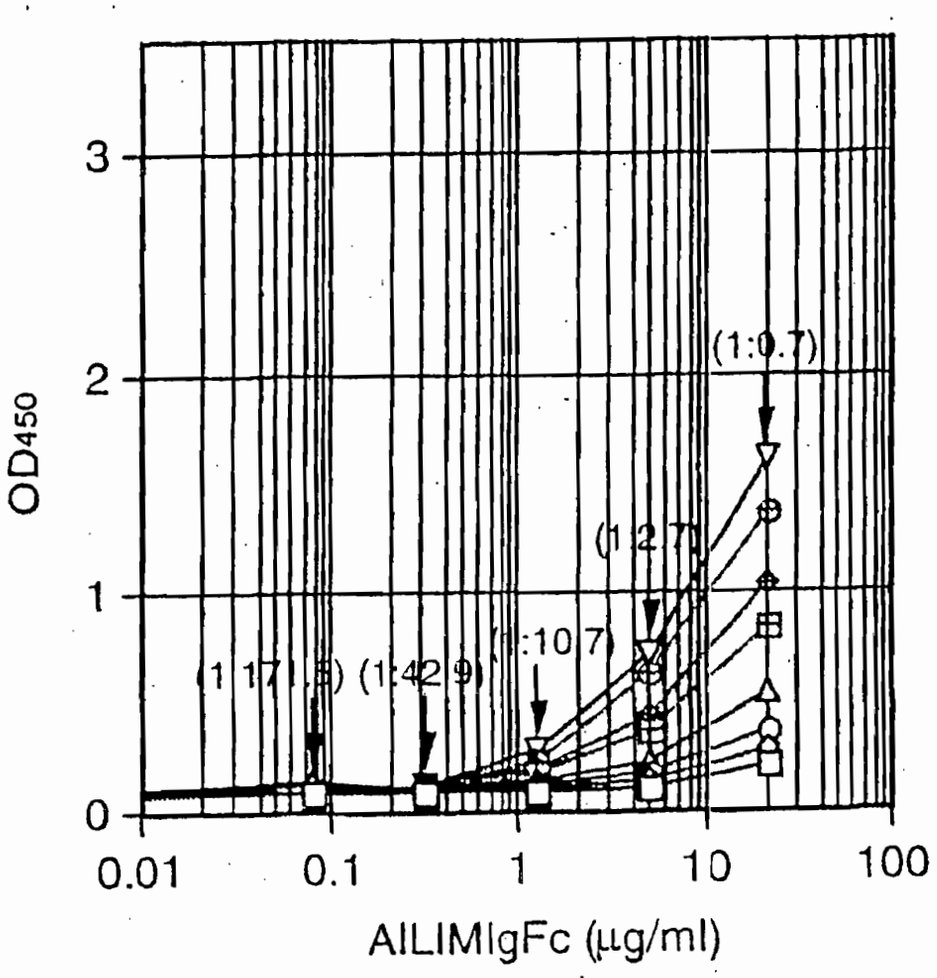
100 ng/well -B7hIgFc

200 ng/well-B7hIgFc

400 ng/well -B7hIgFc

800 ng/well-B7hIgFc

Figure 75



Coated amount of B7hIgFc

0 ng/well-B7hIgFc

25 ng/well -B7hIgFc

50 ng/well -B7hIgFc

100 ng/well -B7hIgFc

200 ng/well-B7hIgFc

400 ng/well -B7hIgFc

800 ng/well-B7hIgFc

1600 ng/well-B7hIgFc

Figure 76

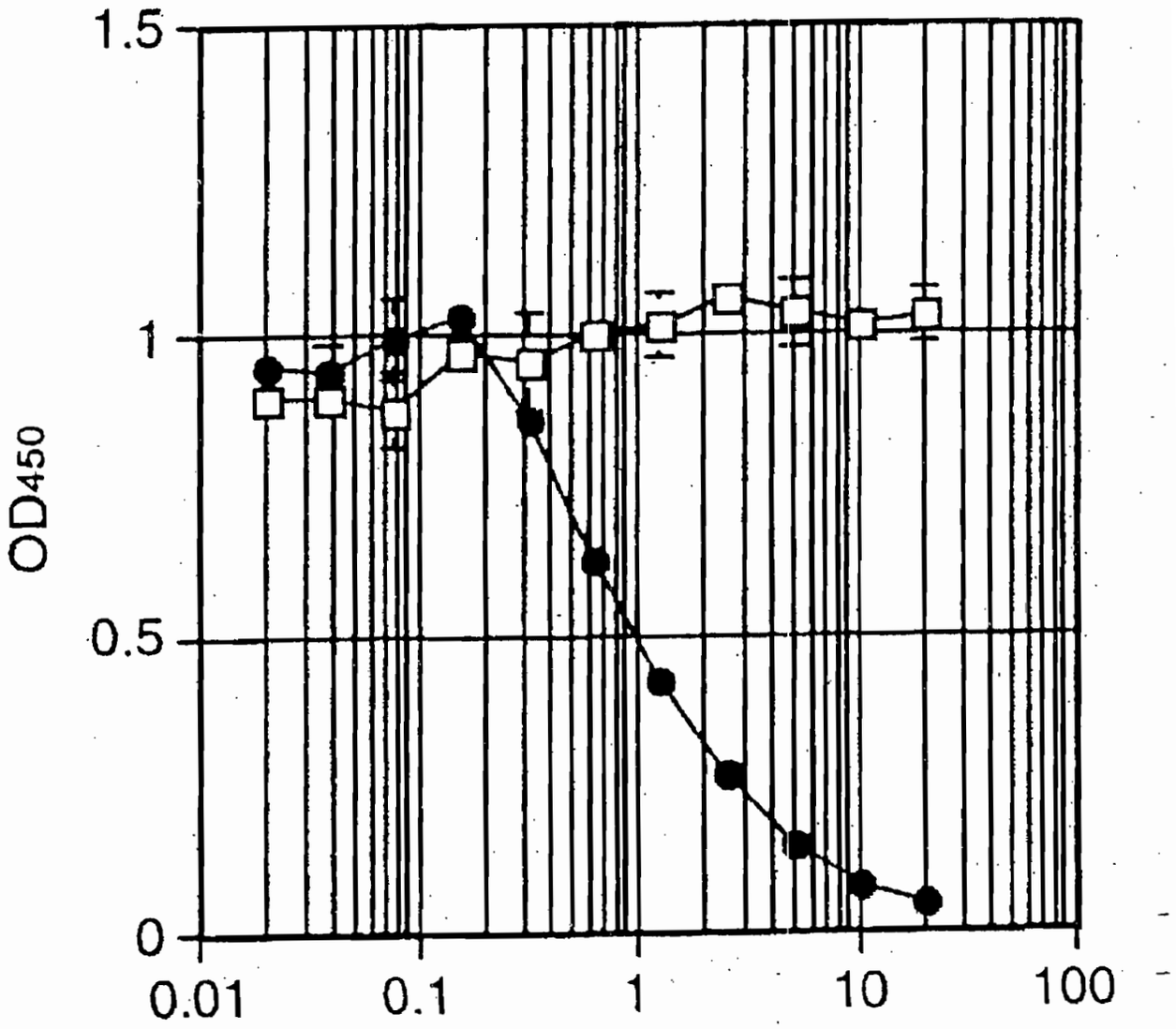


Figure 77

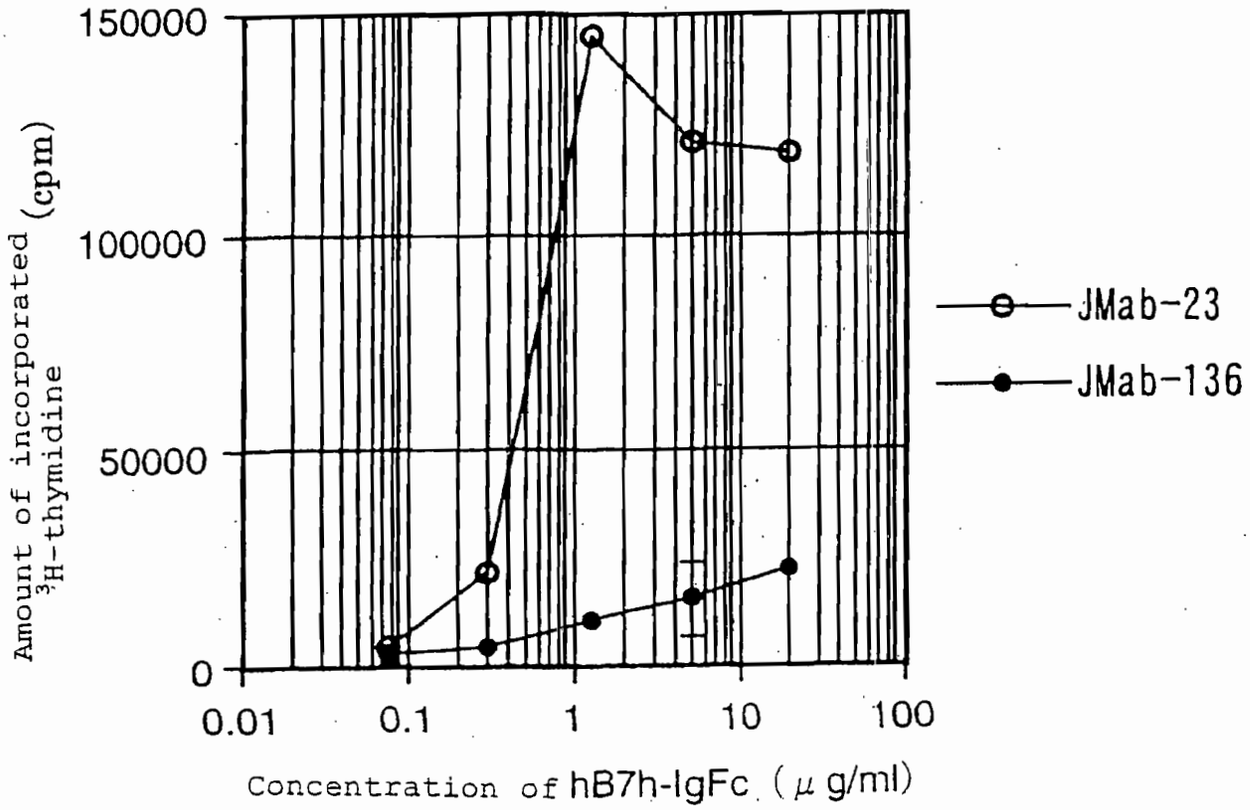
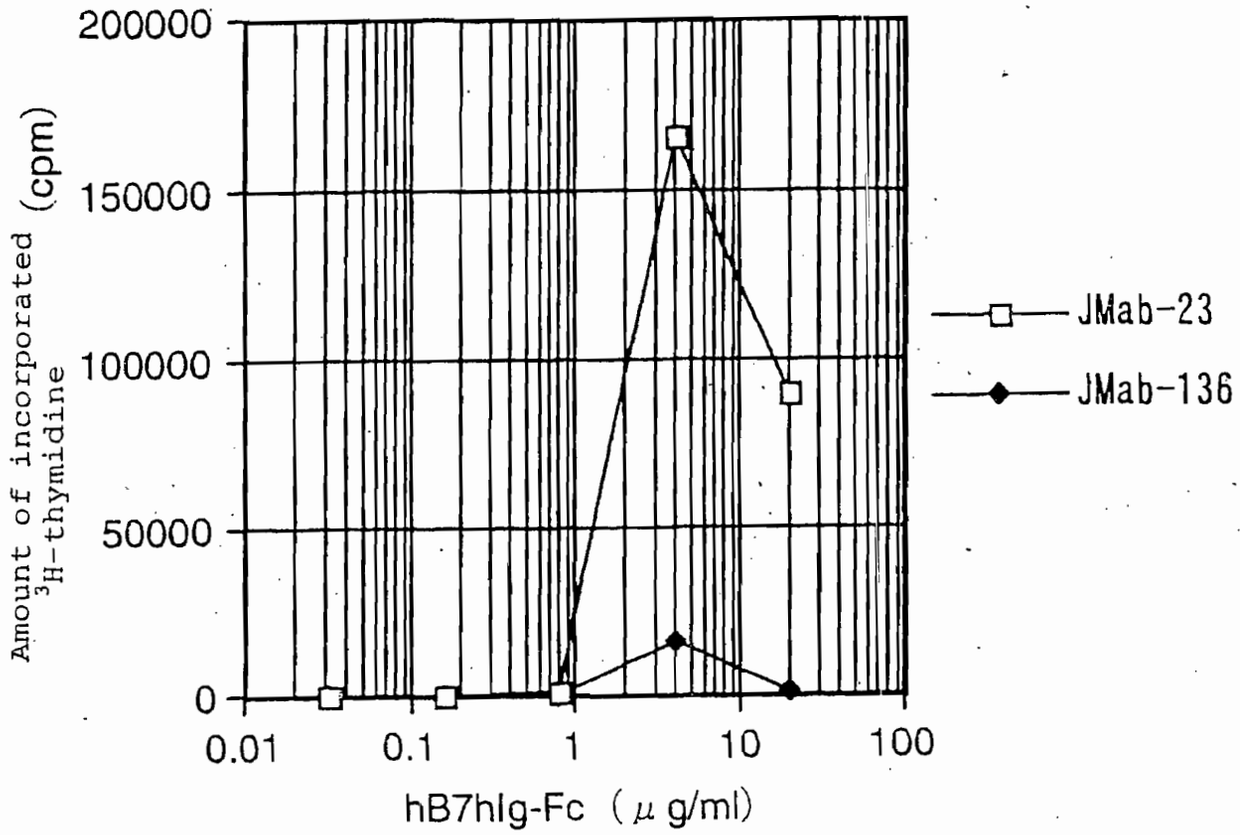

150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Concentration of hB7h-IgFc (μg/ml)
JMab-23
JMab-136

Figure 78


200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
hB7hIg-Fc (μg/ml)
JMab-23
JMab-136