Figure 1

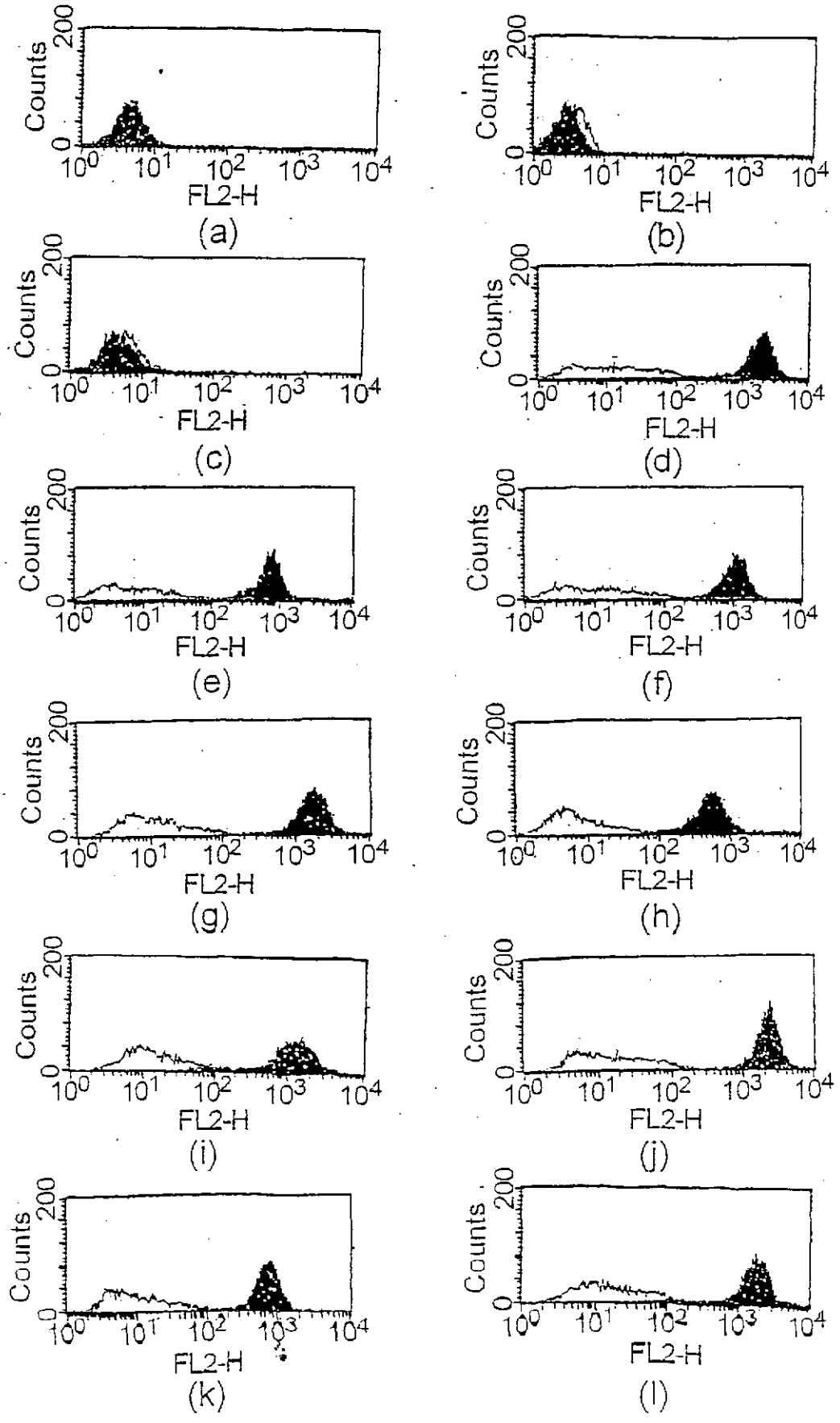


Figure 2

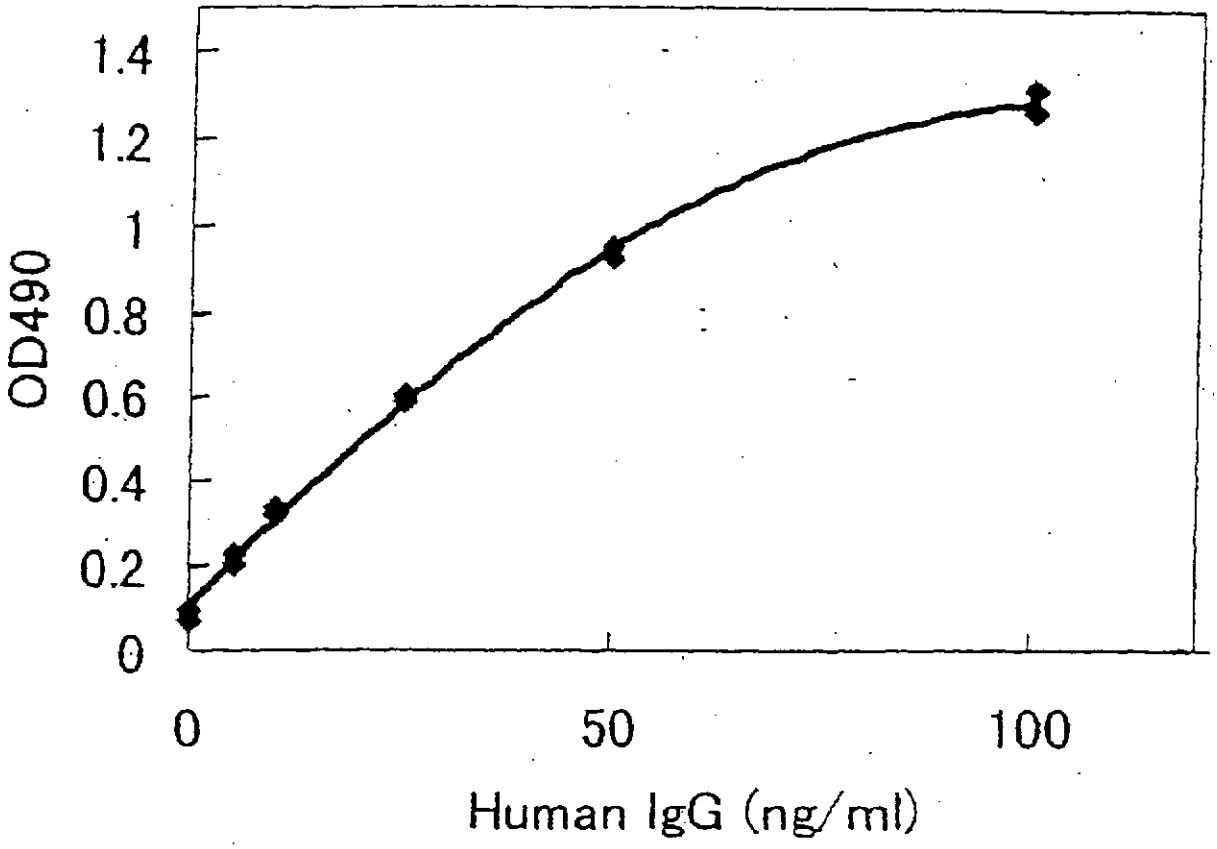


Figure 3

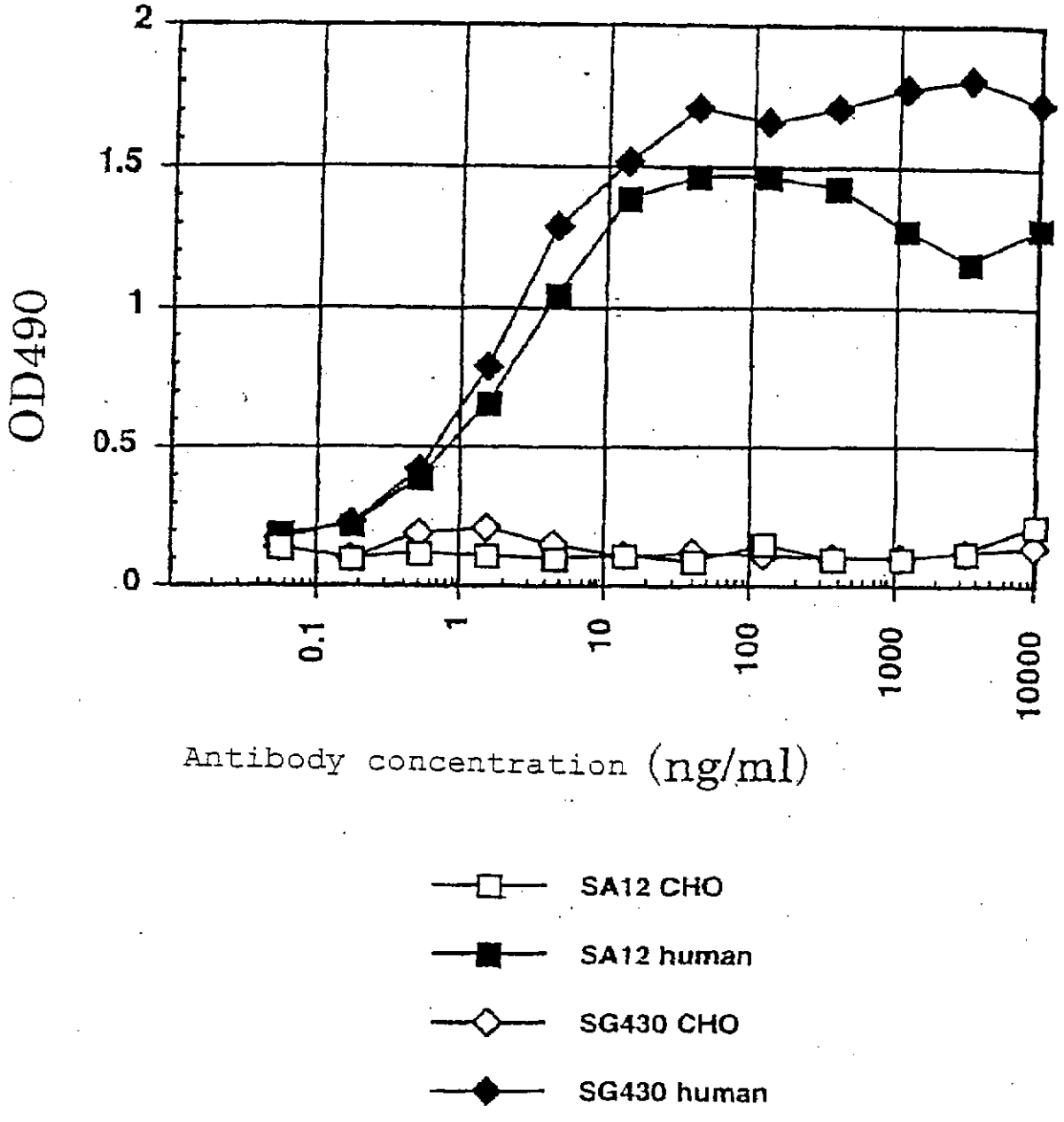

OD490
2
1.5
1
0.5
0
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
SA12 CHO
SA12 human
SG430 CHO
SG430 human

Figure 4

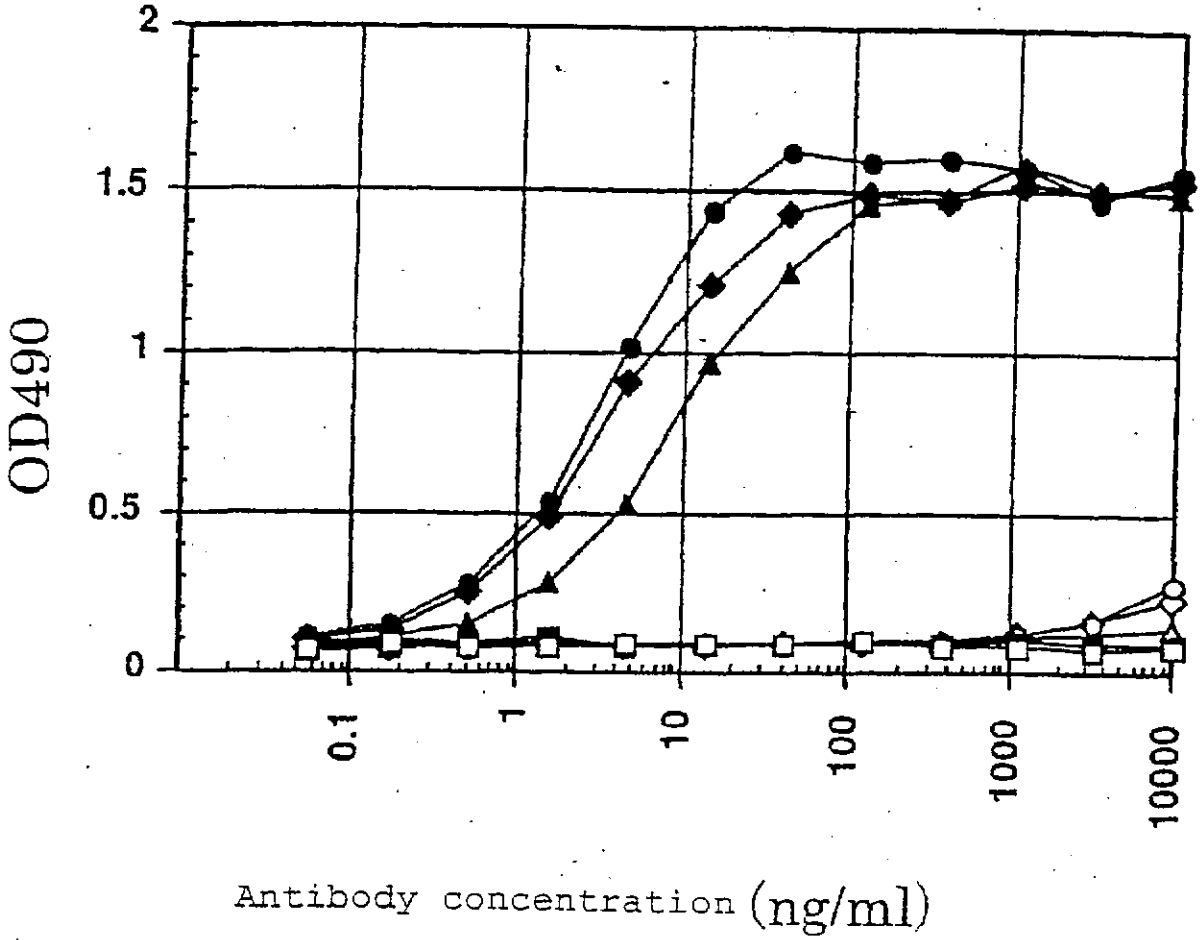
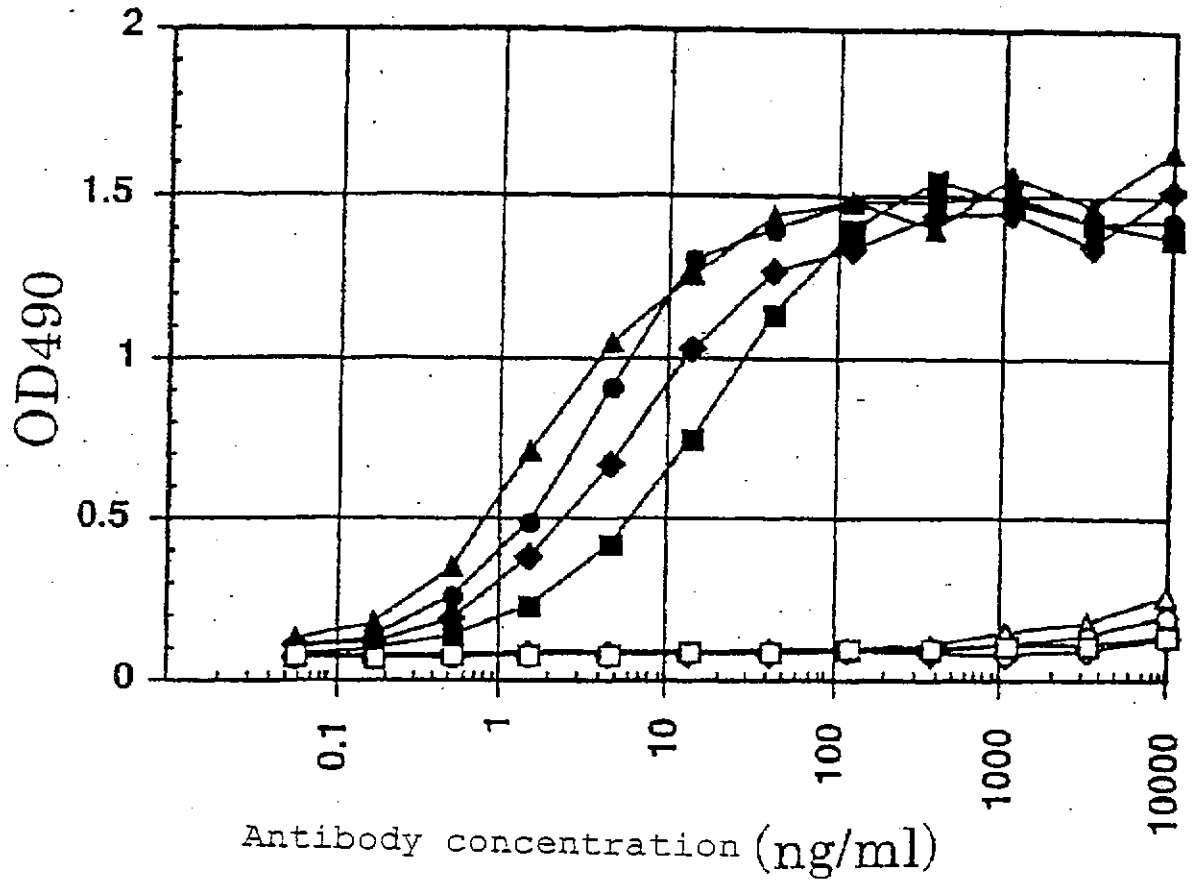
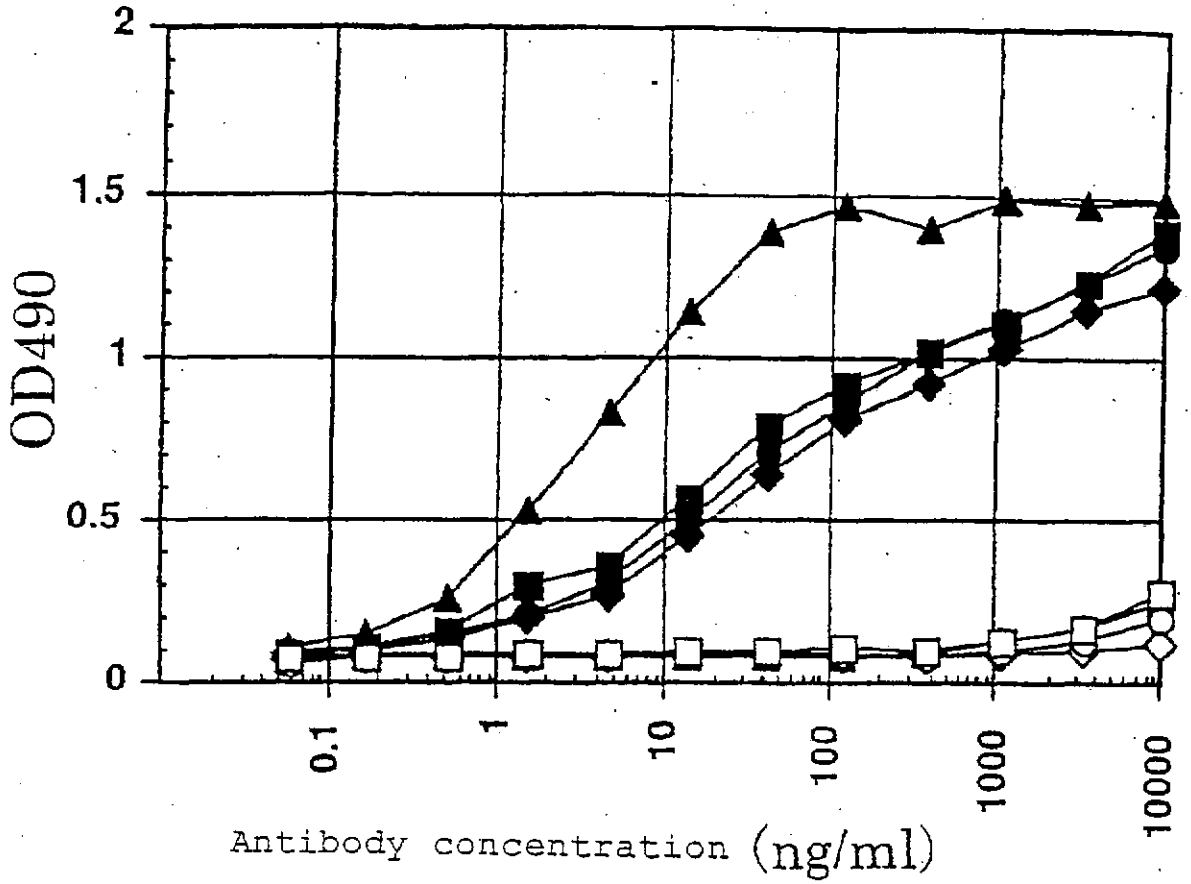

OD490
2
1.5
1
0.5
0
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
KLH CHO
KLH human
JMAb124 CHO
JMAb124 human
JMAb126 CHO
JMAb126 human
JMAb127 CHO
JMAb127 human

Figure 5



JMAb128 CHO
JMAb128 human
JMAb135 CHO
JMAb135 human
JMAb136 CHO
JMAb136 human
JMAb137 CHO
JMAb137 human

Figure 6


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

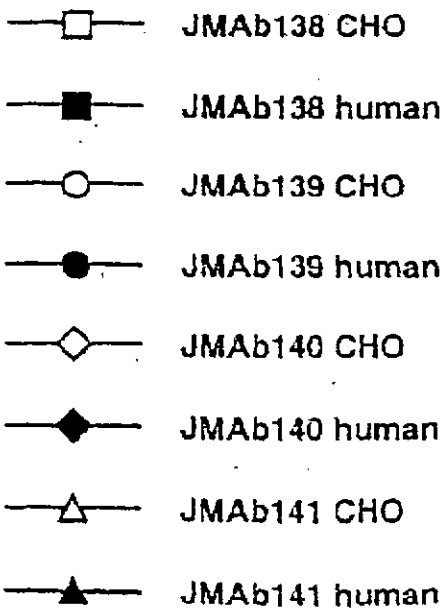

JMAb138 CHO
JMAb138 human
JMAb139 CHO
JMAb139 human
JMAb140 CHO
JMAb140 human
JMAb141 CHO
JMAb141 human

Figure 7

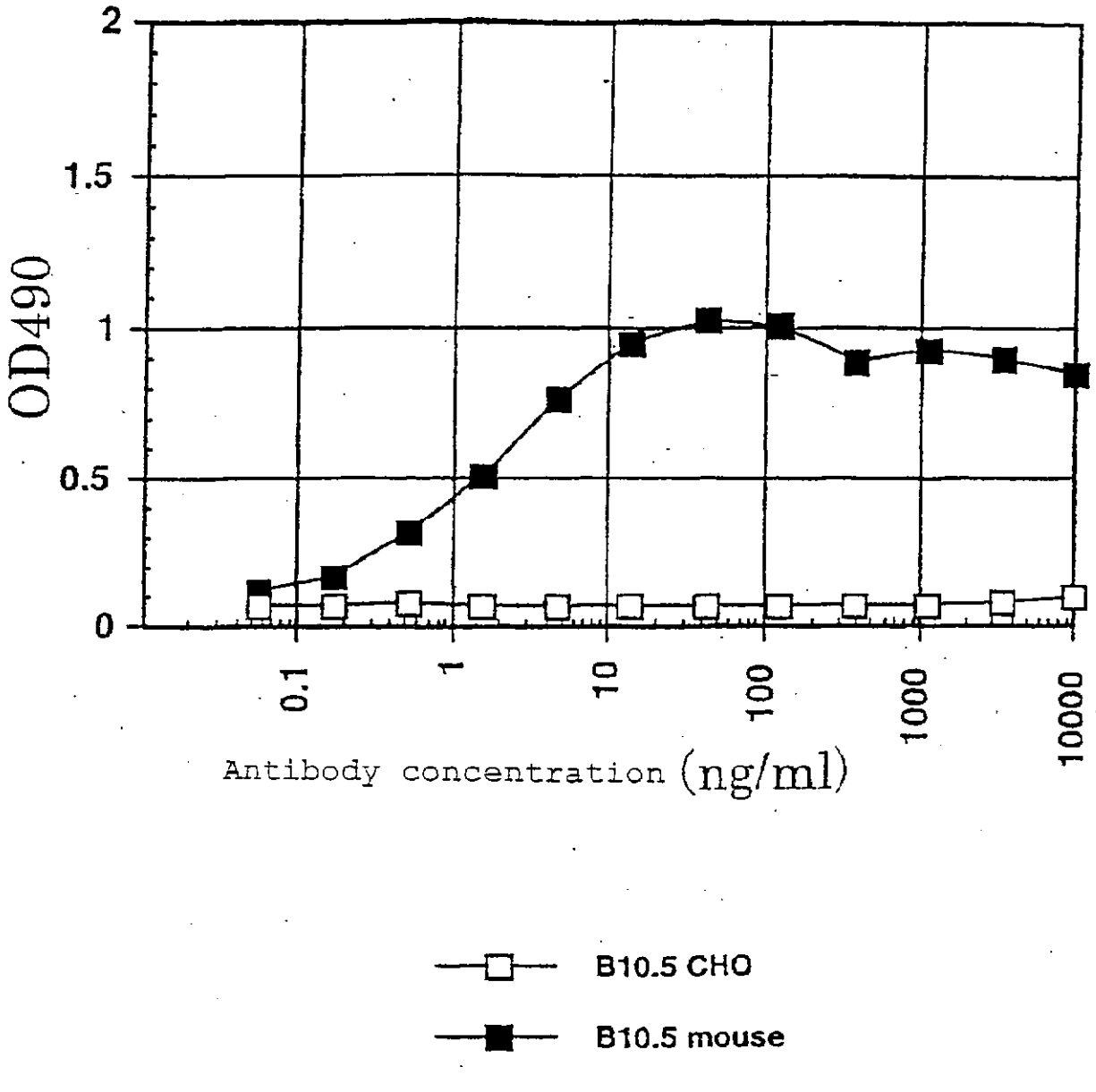
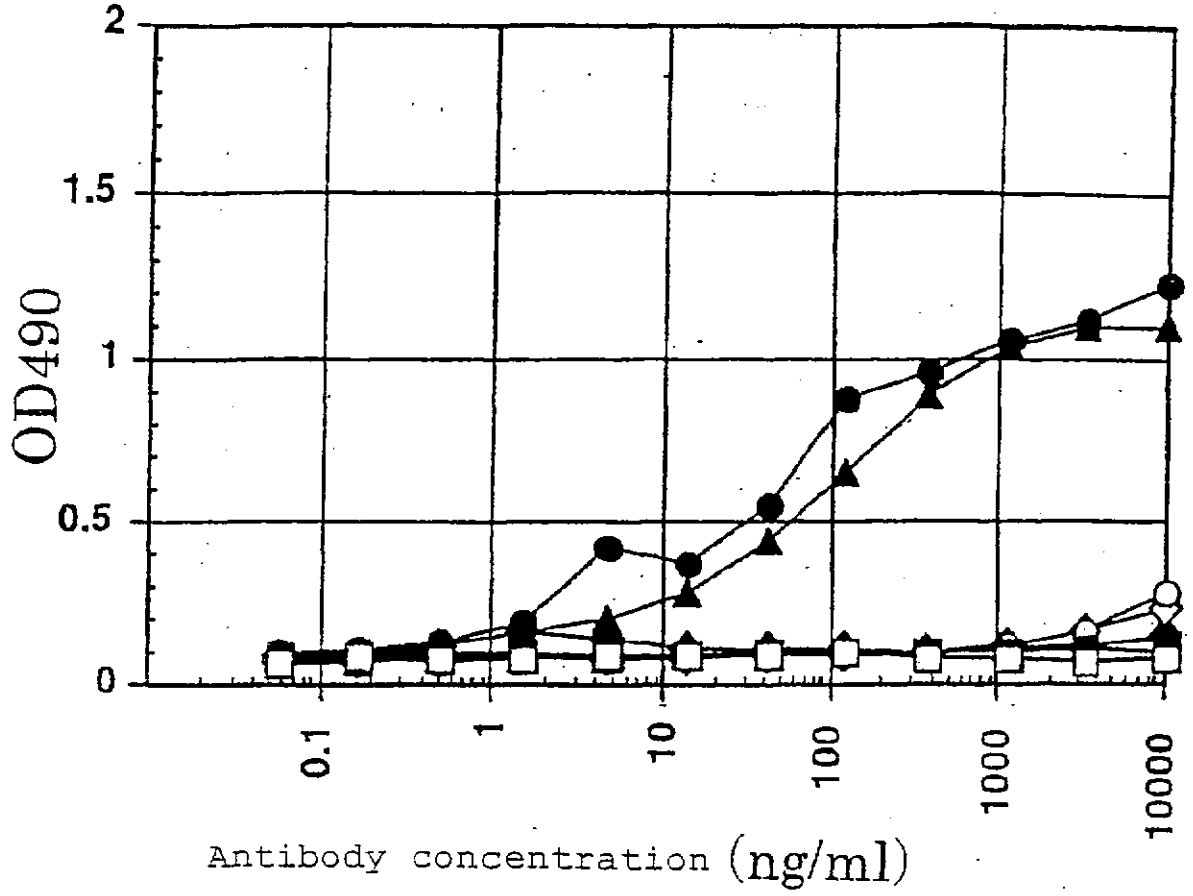

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
B10.5 CHO
B10.5 mouse

Figure 8



KLH CHO

KLH mouse

JMAb124 CHO

JMAb124 mouse

JMAb126 CHO

JMAb126 mouse

JMAb127 CHO

JMAb127 mouse

Figure 9

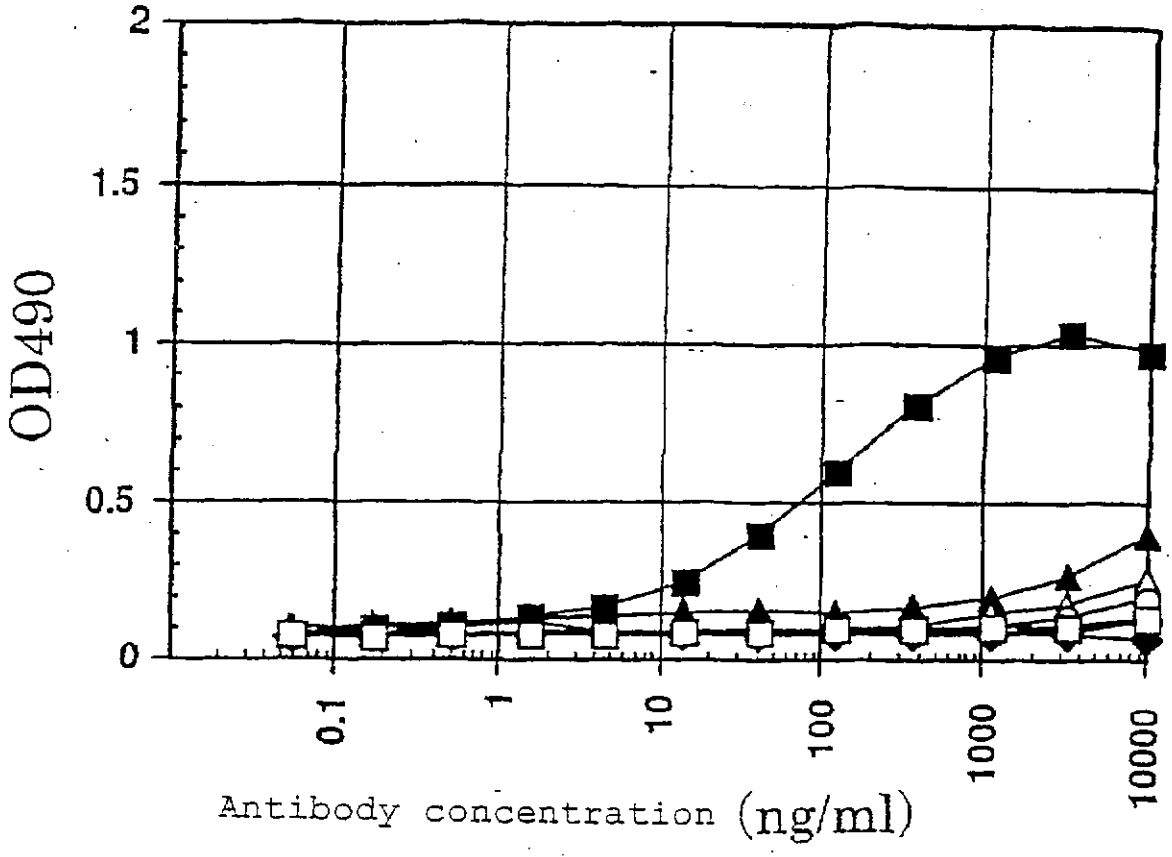

OD490
2
1.5
1
0.5
0
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JMAb128 CHO
JMAb128 mouse
JMAb135 CHO
JMAb135 mouse
JMAb136 CHO
JMAb136 mouse
JMAb137 CHO
JMAb137 mouse

Figure 10

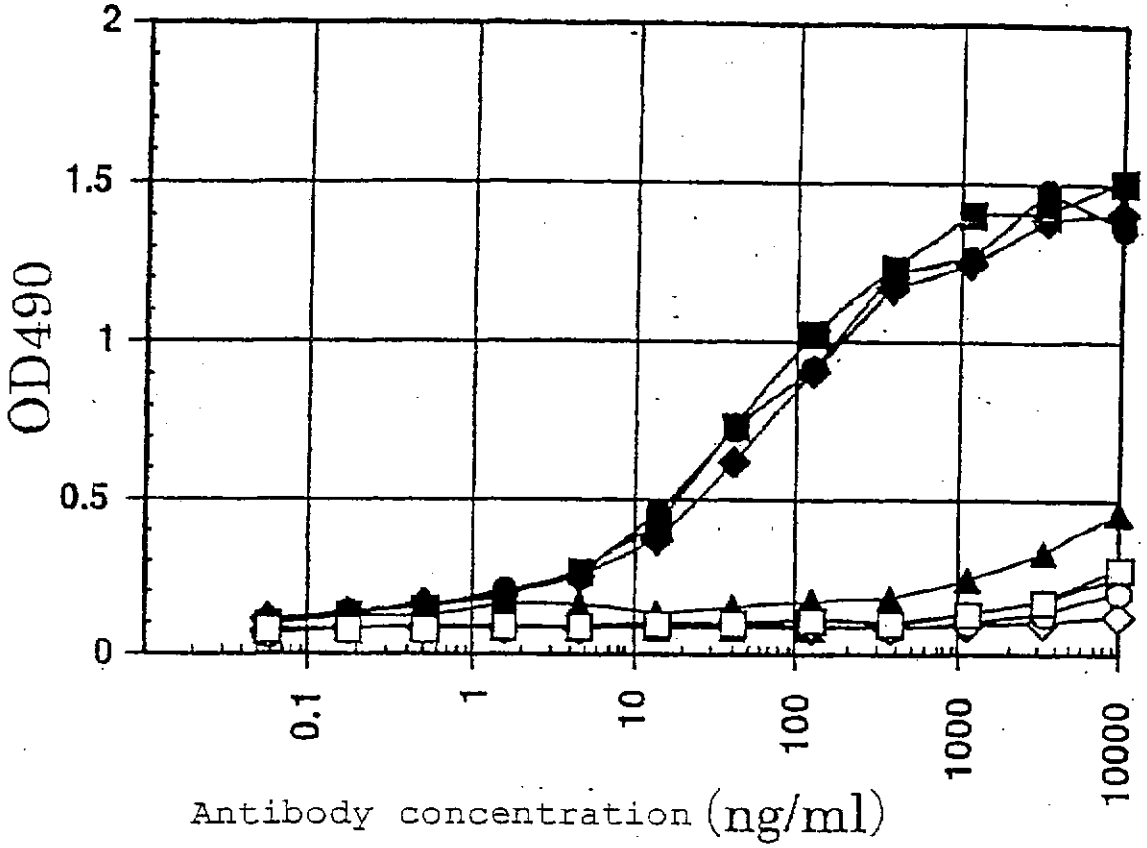

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JMAB138 CHO
JMAb138 mouse
JMAb139 CHO
JMAb139 mouse
JMAb140 CHO
JMAb140 mouse
JMAb141 CHO
JMAb141 mouse

Figure 11

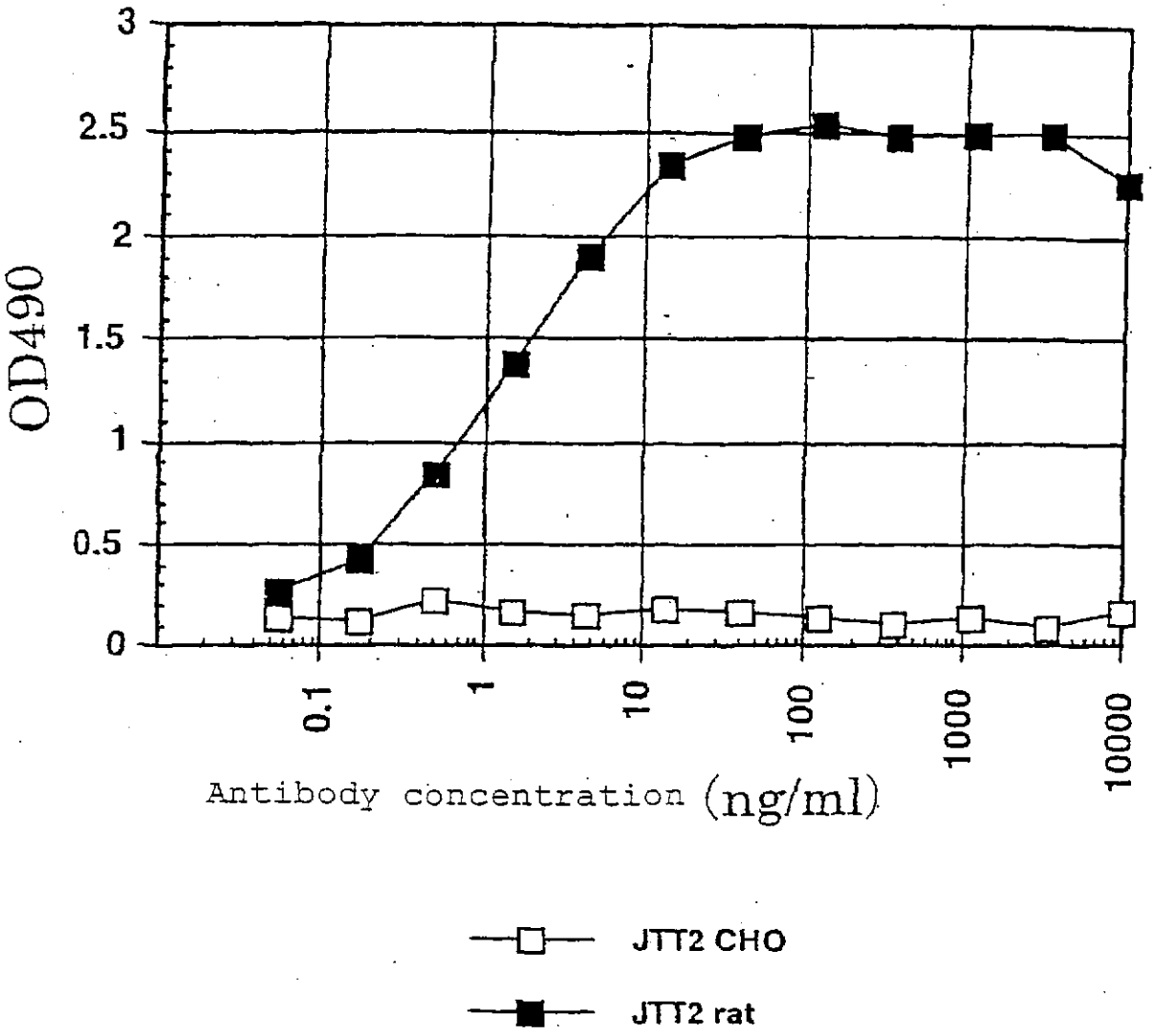

3
2.5
2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JTT2 CHO
JTT2 rat

Figure 12

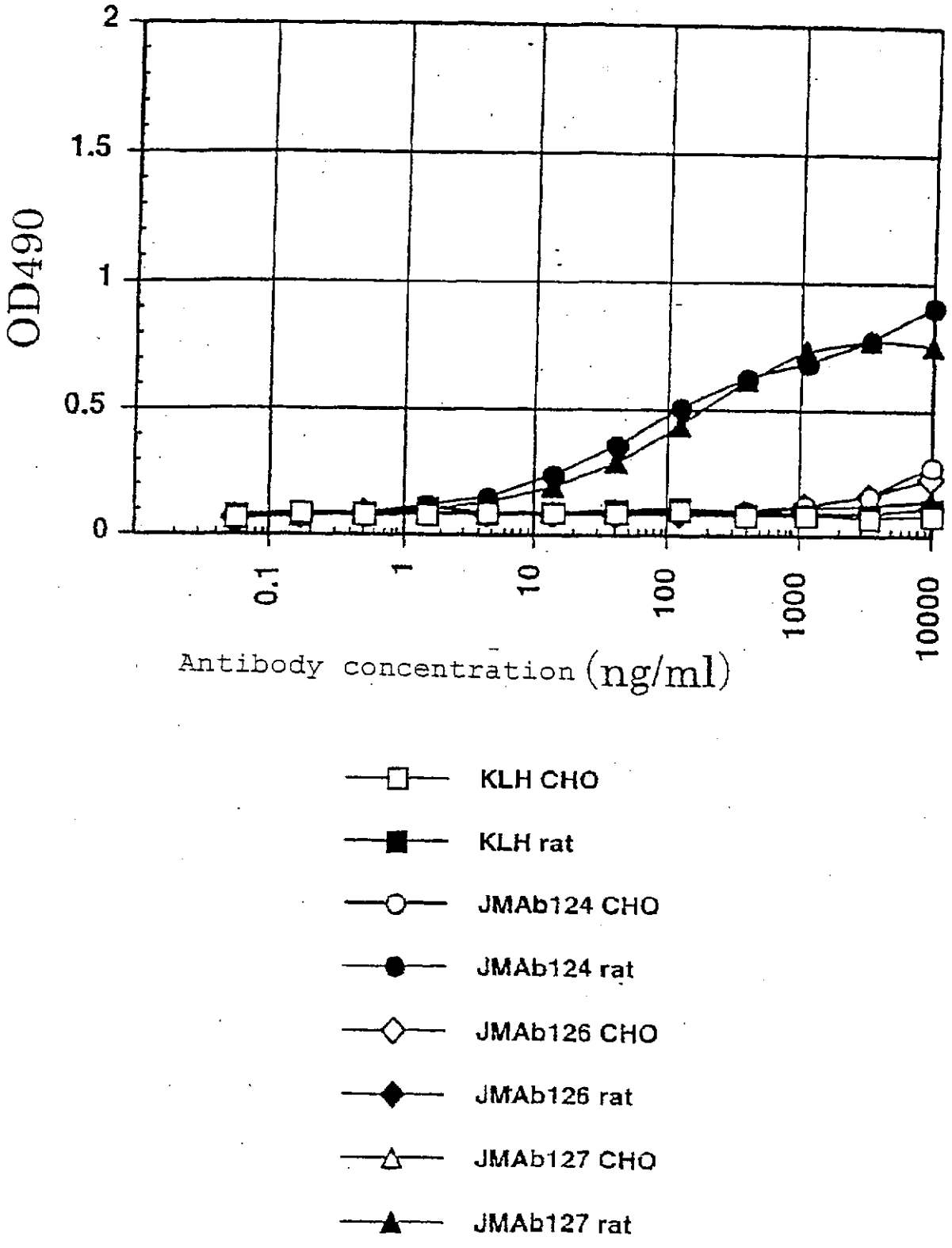

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
KLH CHO
KLH rat
JMAb124 CHO
JMAb124 rat
JMAb126 CHO
JMAb126 rat
JMAb127 CHO
JMAb127 rat

Figure 13

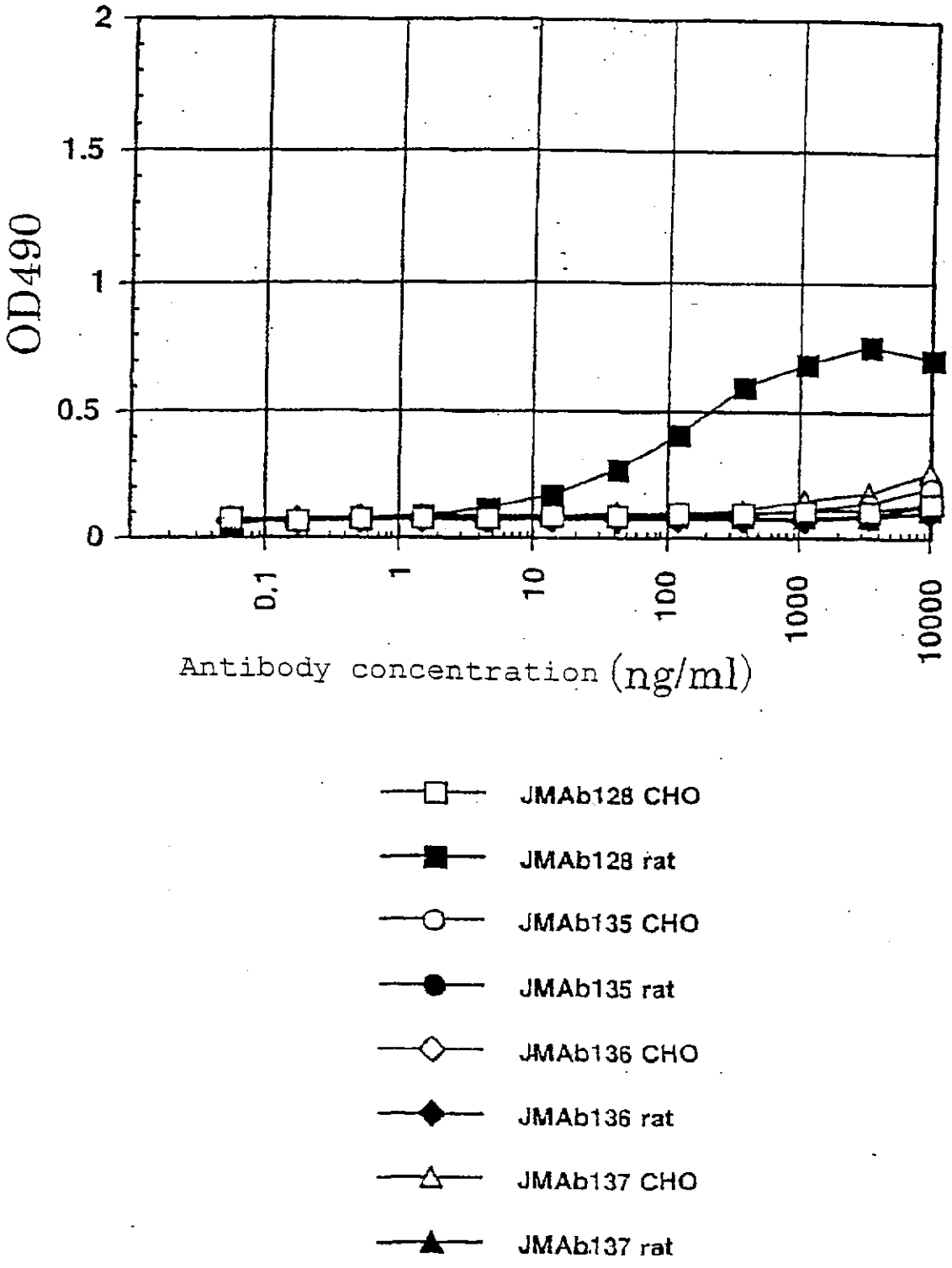

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JMAb128 CHO
JMAb128 rat
JMAb135 CHO
JMAb135 rat
JMAb136 CHO
JMAb136 rat
JMAb137 CHO
JMAb137 rat

Figure 14

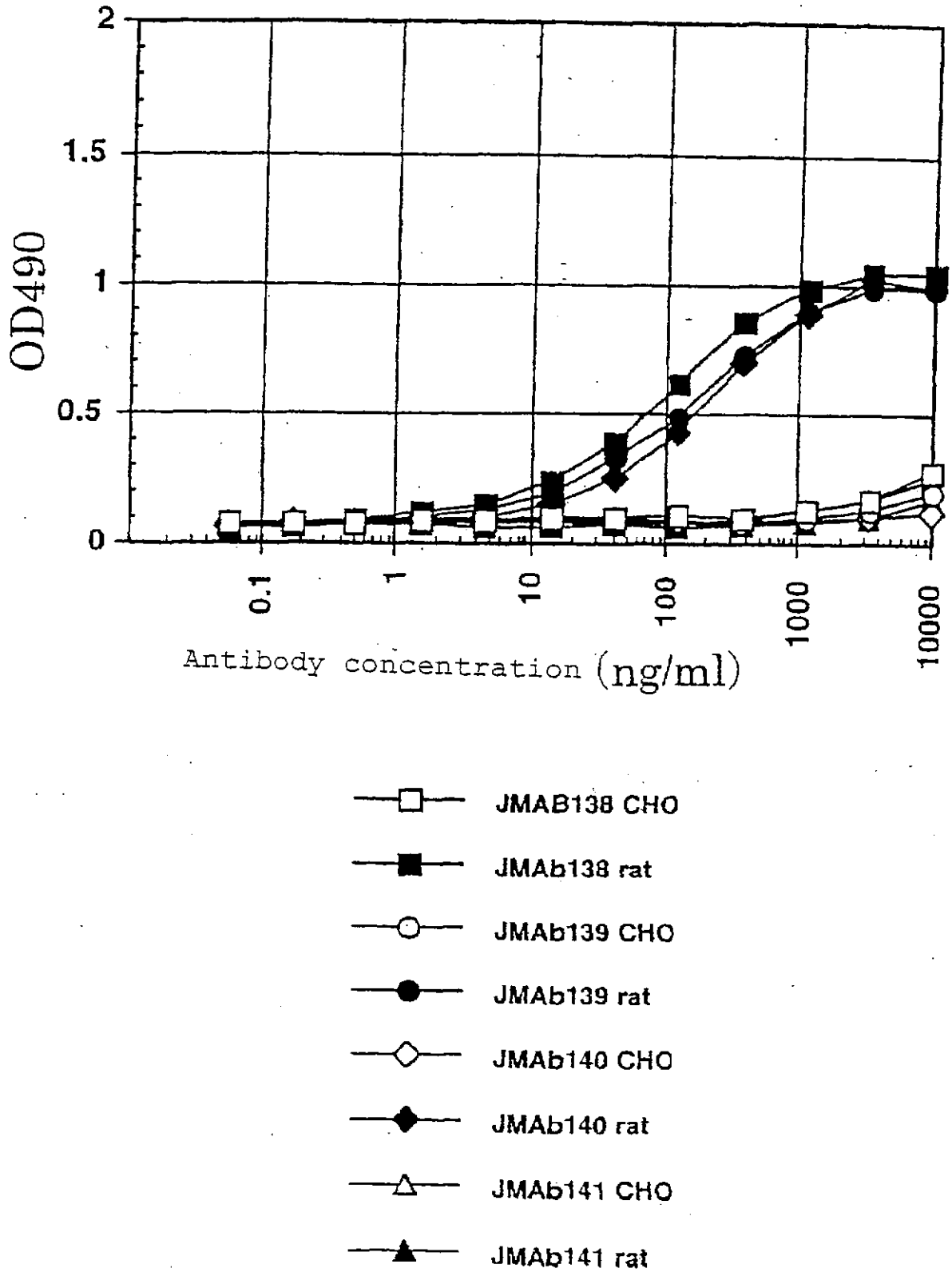

2
1.5
1
0.5
0
OD490
0.1
1
10
100
1000
10000
Antibody concentration (ng/ml)
JMAB138 CHO
JMAb138 rat
JMAb139 CHO
JMAb139 rat
JMAb140 CHO
JMAb140 rat
JMAb141 CHO
JMAb141 rat

Figure 15

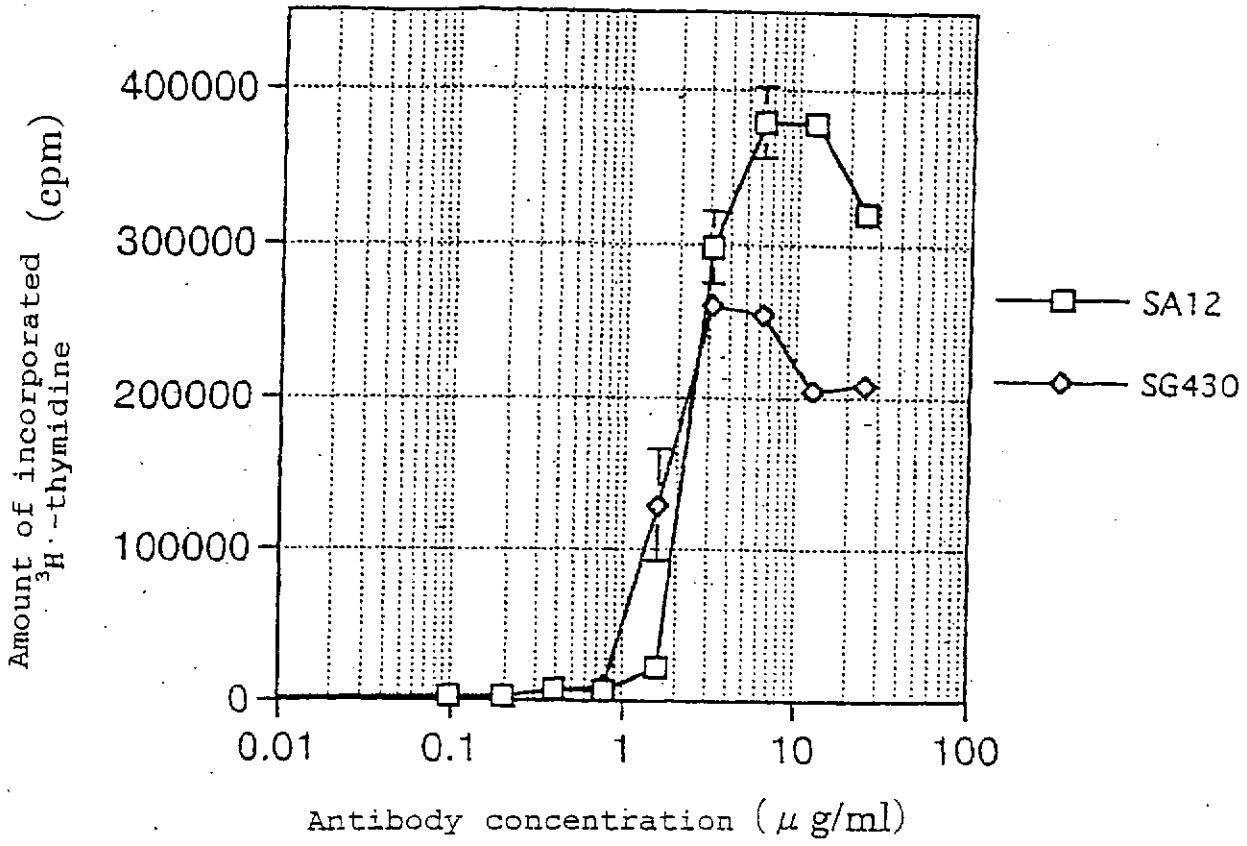

400000
300000
200000
100000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Antibody concentration (μg/ml)
SA12
SG430

Figure 16

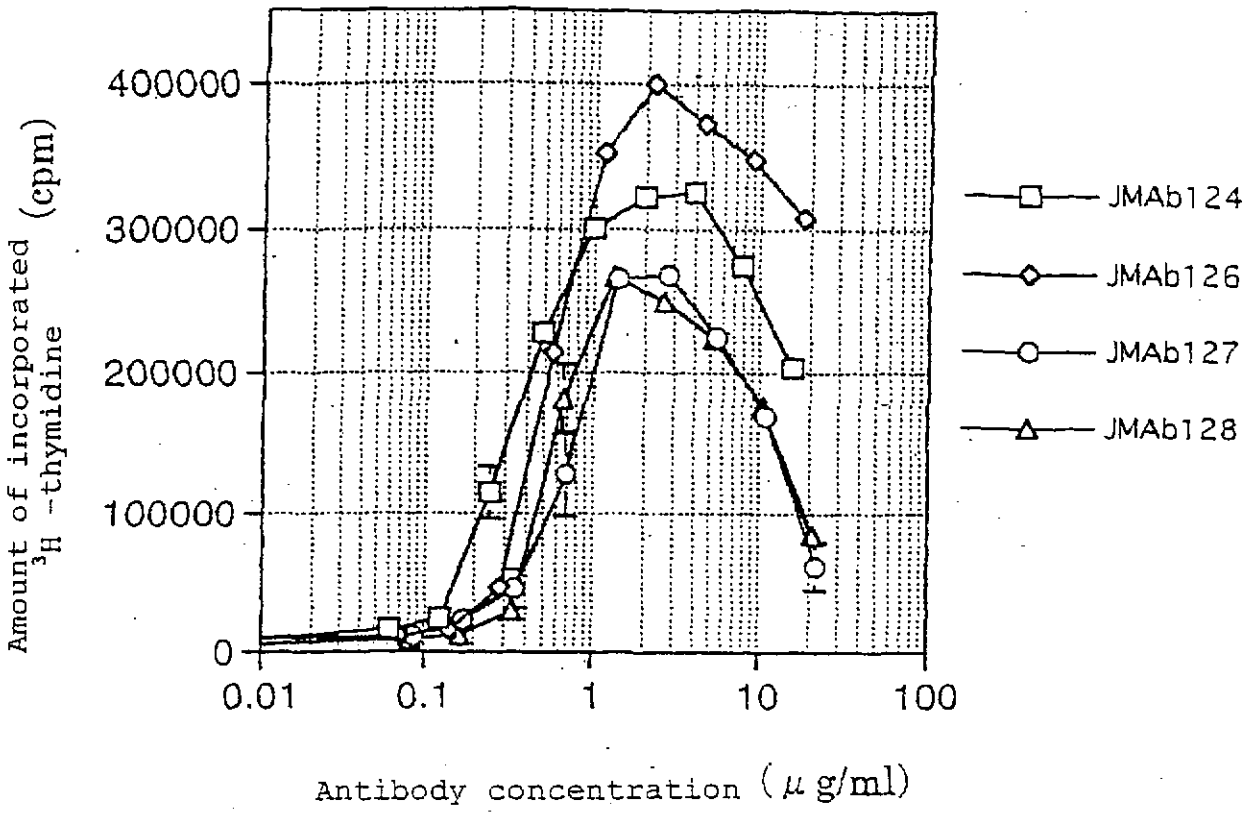

400000
300000
200000
100000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
JMAb124
JMAb126
JMAb127
JMAb128

Figure 17

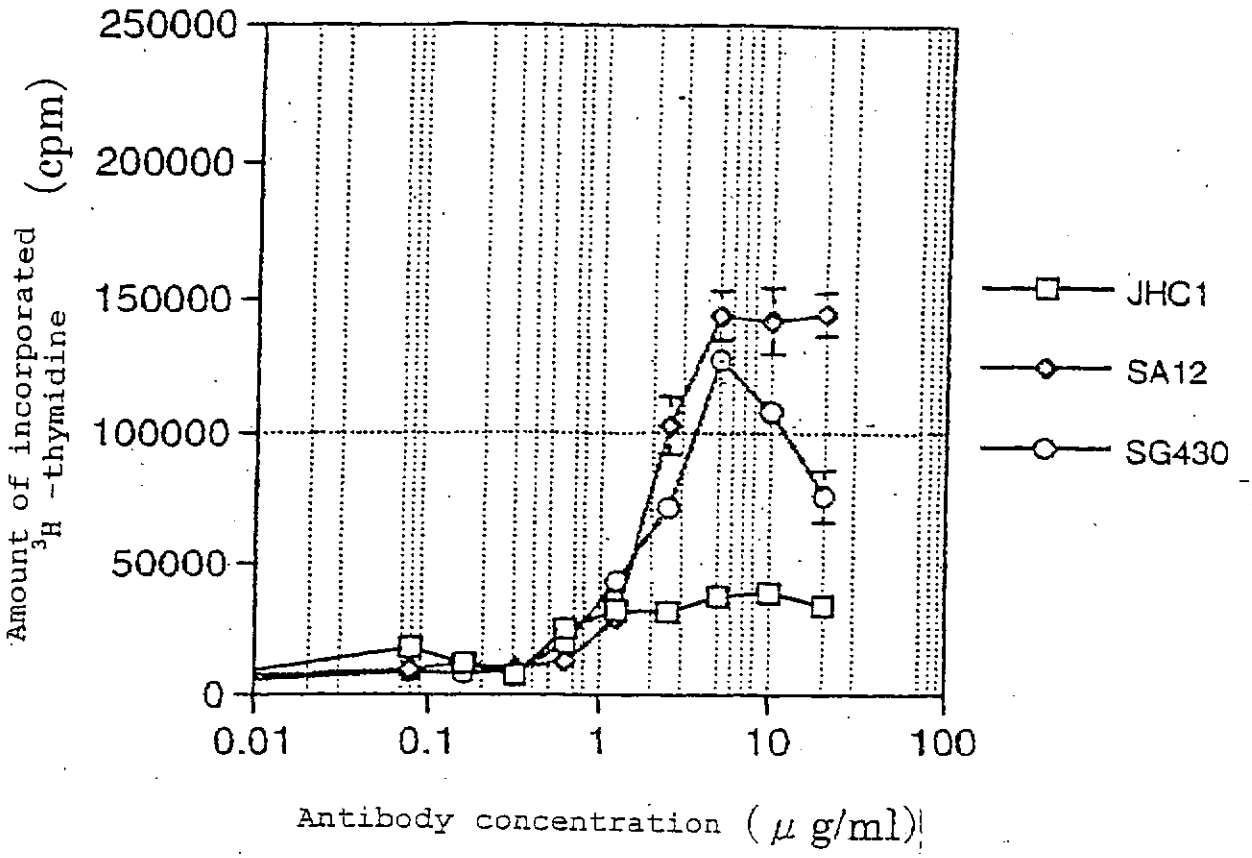

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)
JHC1
SA12
SG430

Figure 18

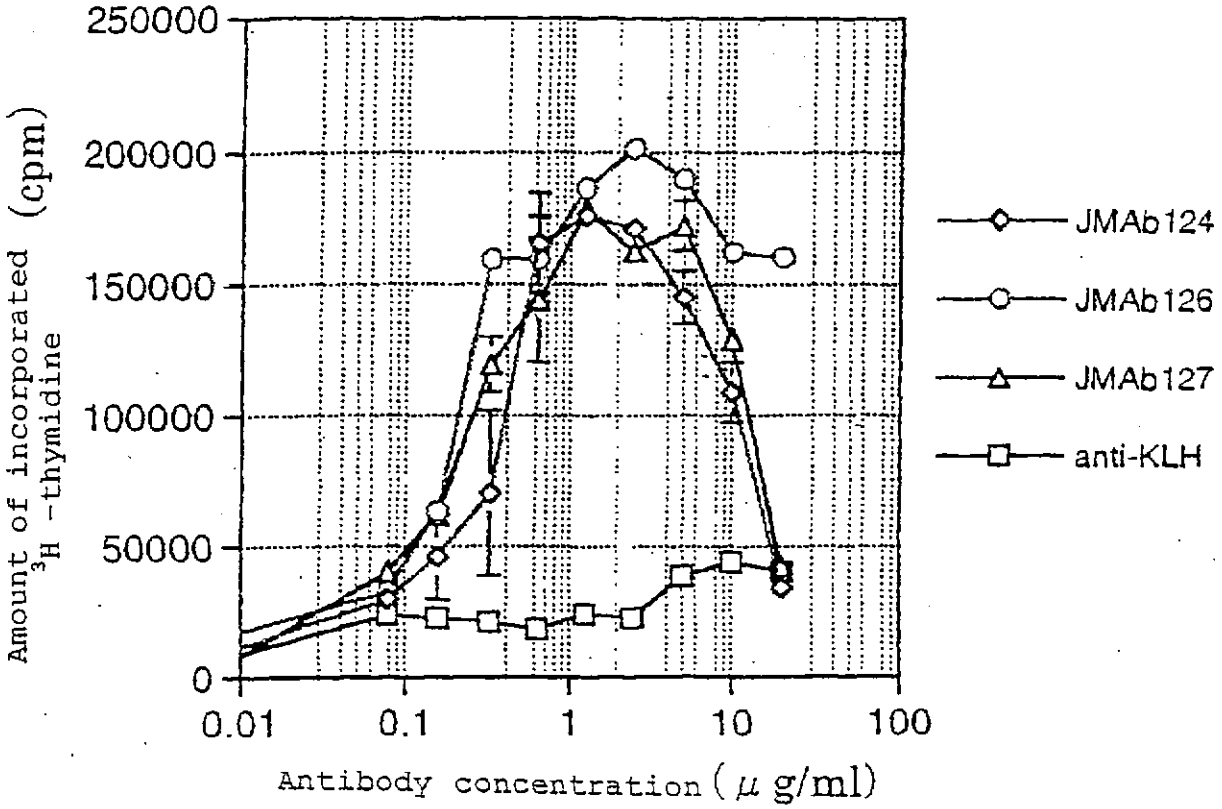

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μ g/ml)
JMAb124
JMAb126
JMAb127
anti-KLH

Figure 19

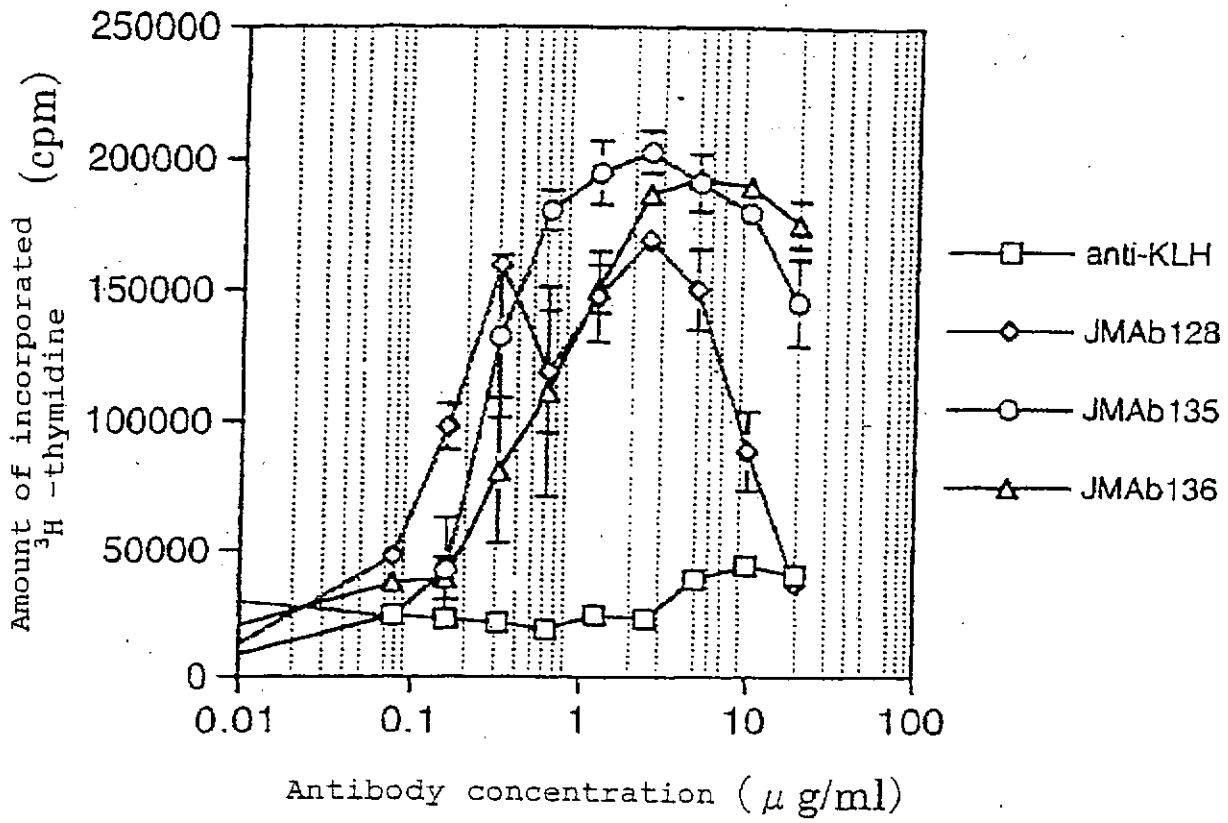

250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μ g/ml)
anti-KLH
JMAb128
JMAb135
JMAb136

Figure 20

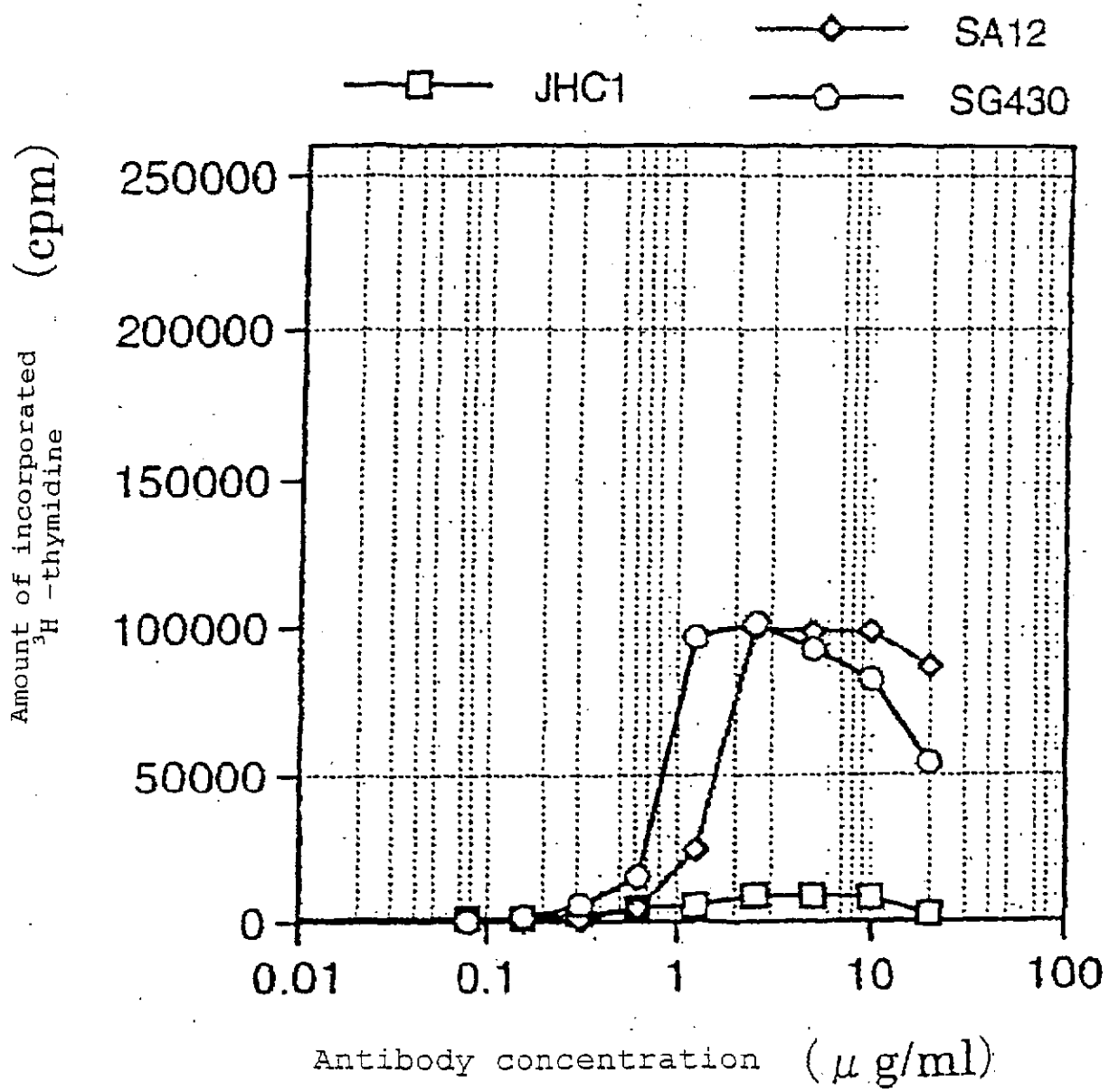

SA12
JHC1
SG430
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 21

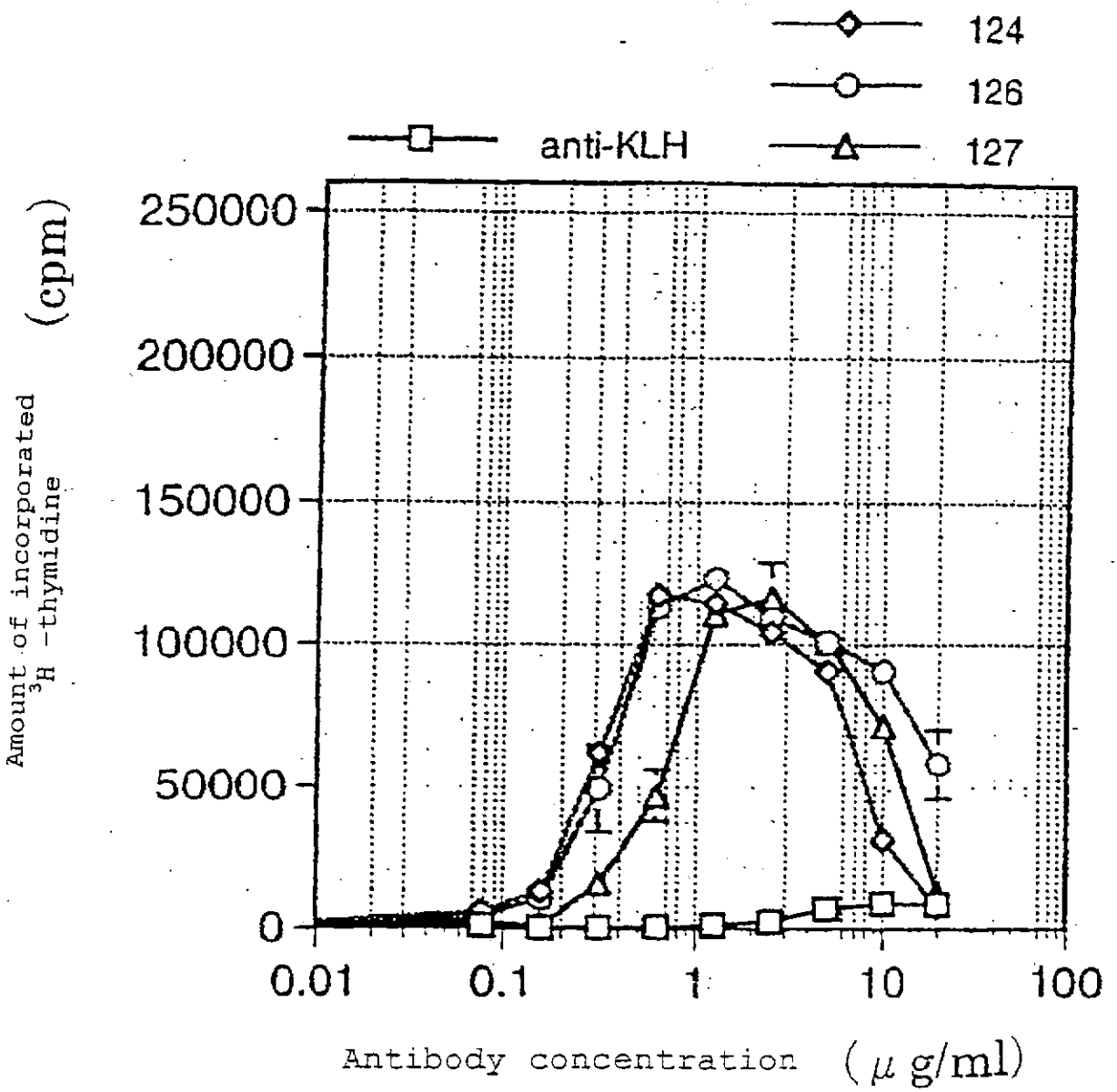

124
126
anti-KLH
127
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 22

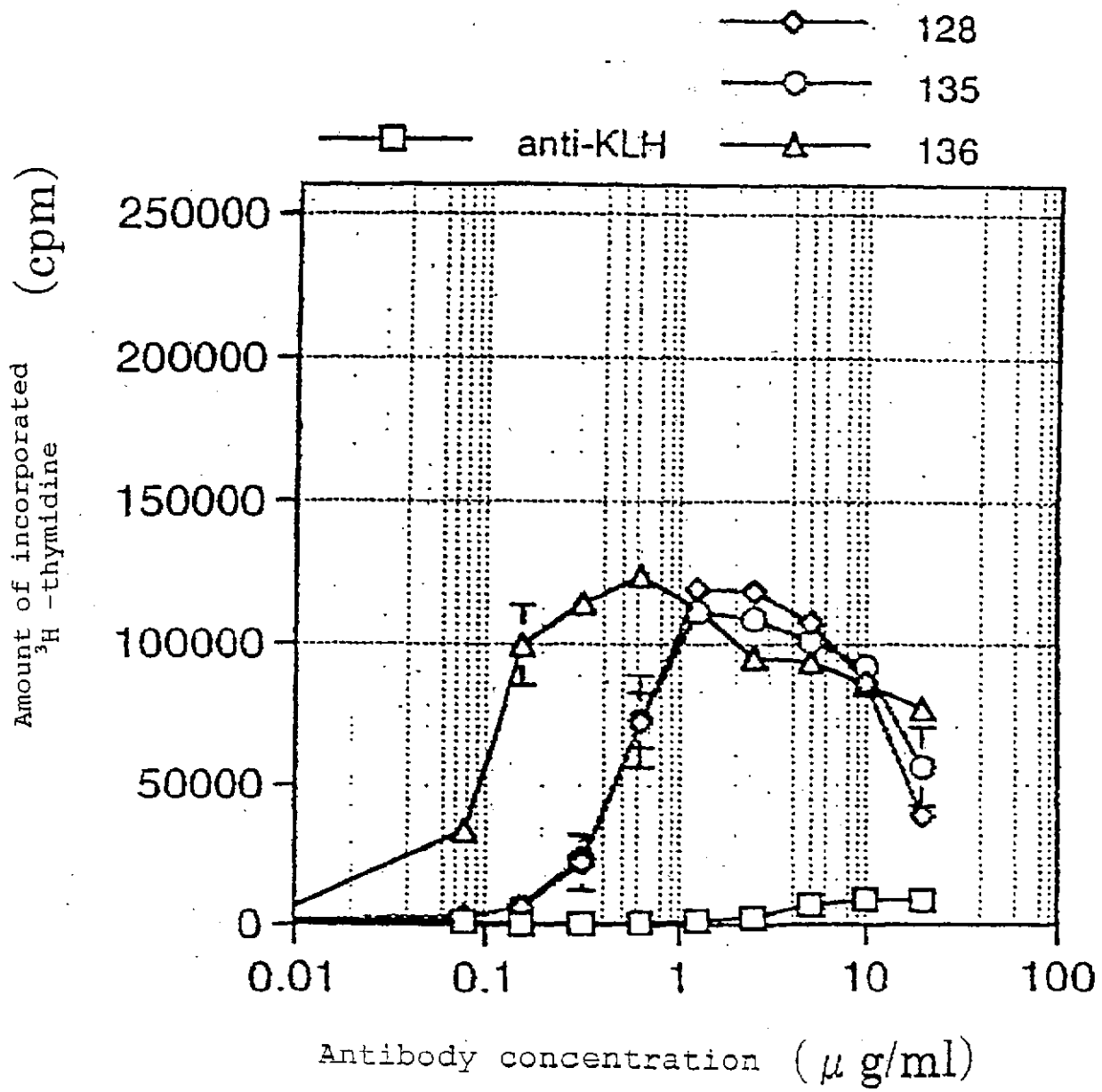

128
135
anti-KLH
136
Amount of incorporated ^{3}H -thymidine (cpm)
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 23

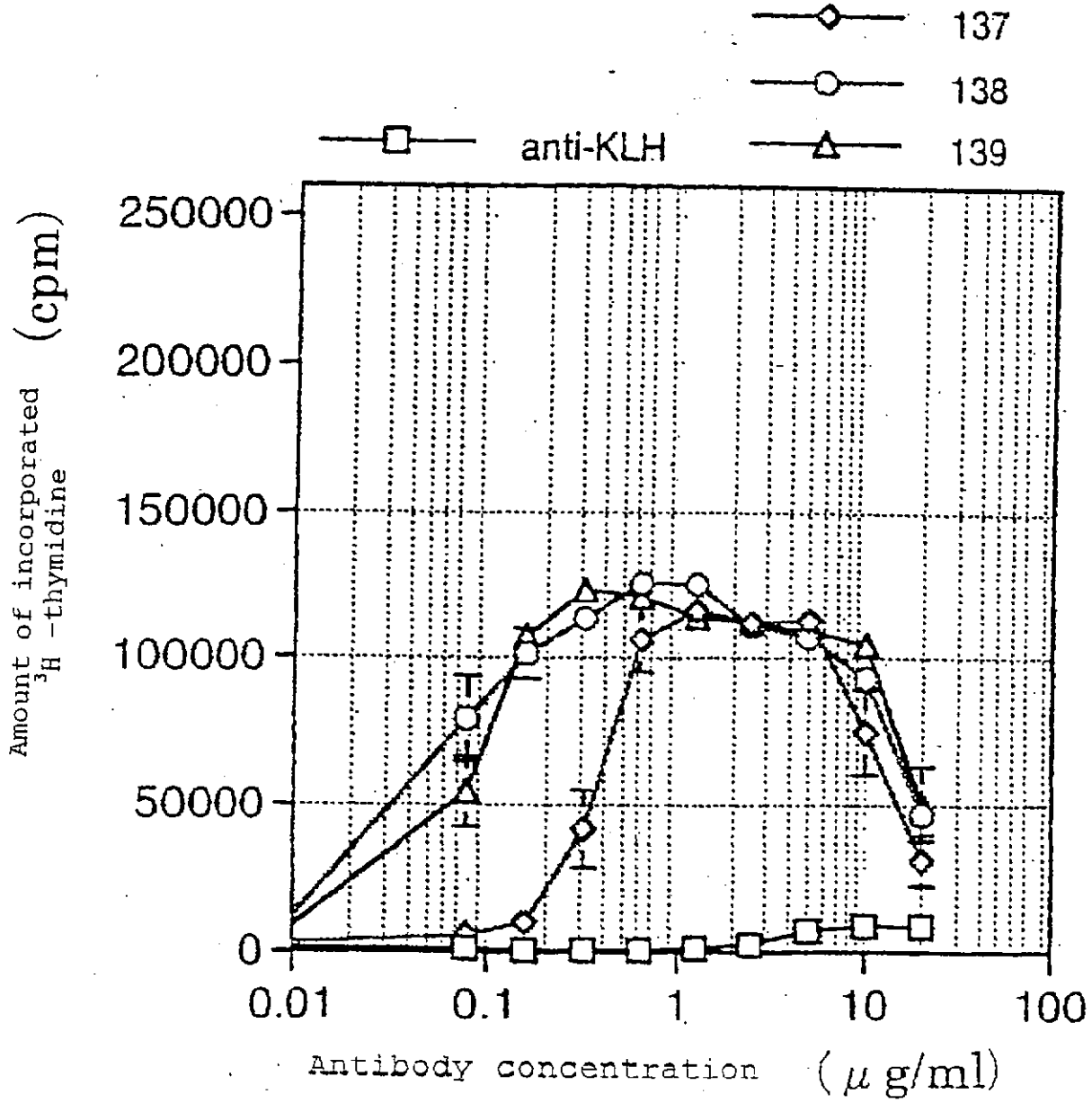

137
138
anti-KLH
139
250000
200000
150000
100000
50000
0
Amount of incorporated ^{3}H -thymidine (cpm)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 24

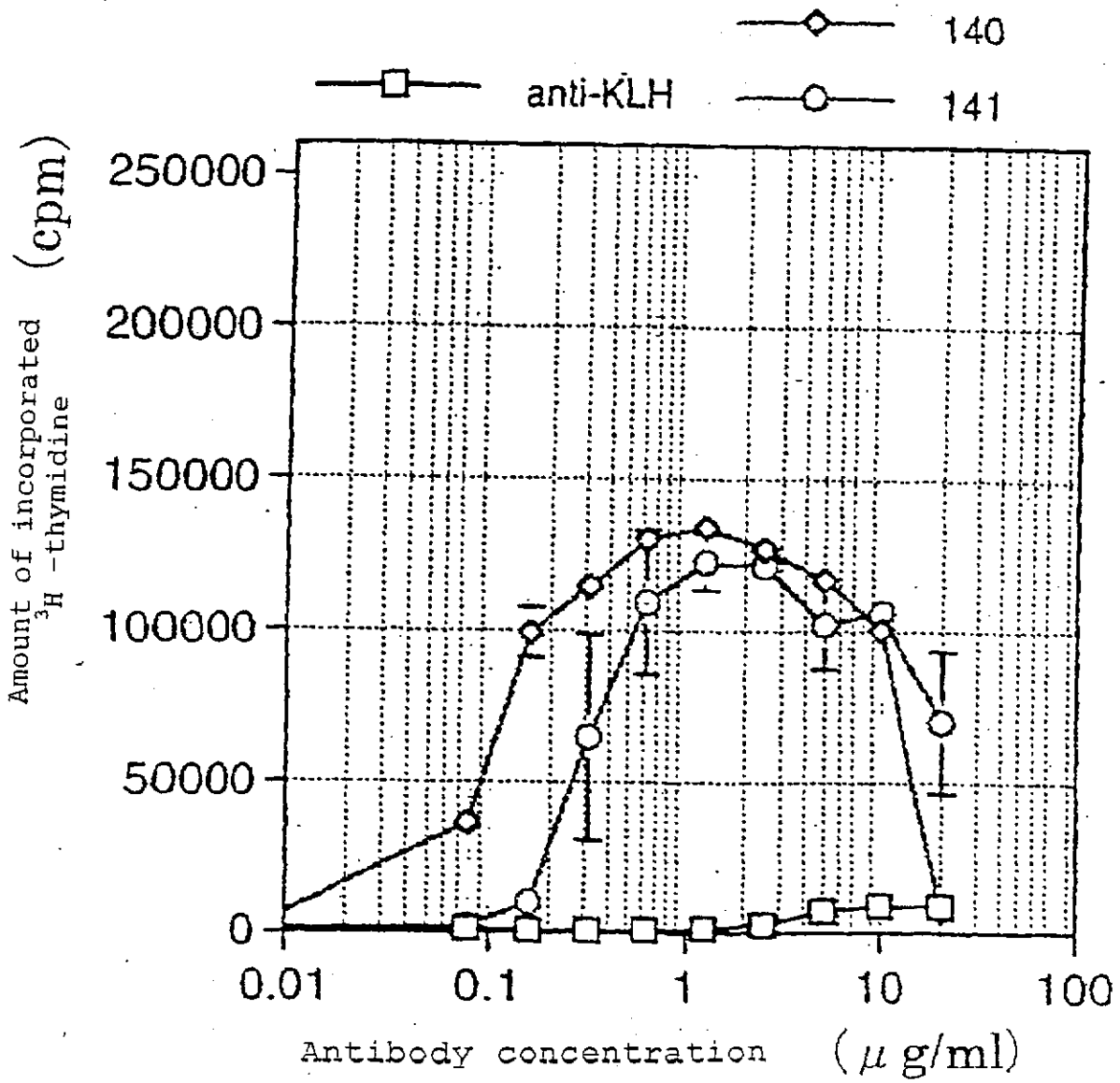

140
anti-KLH
141
Amount of incorporated ^{3}H -thymidine (cpm)
250000
200000
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 25

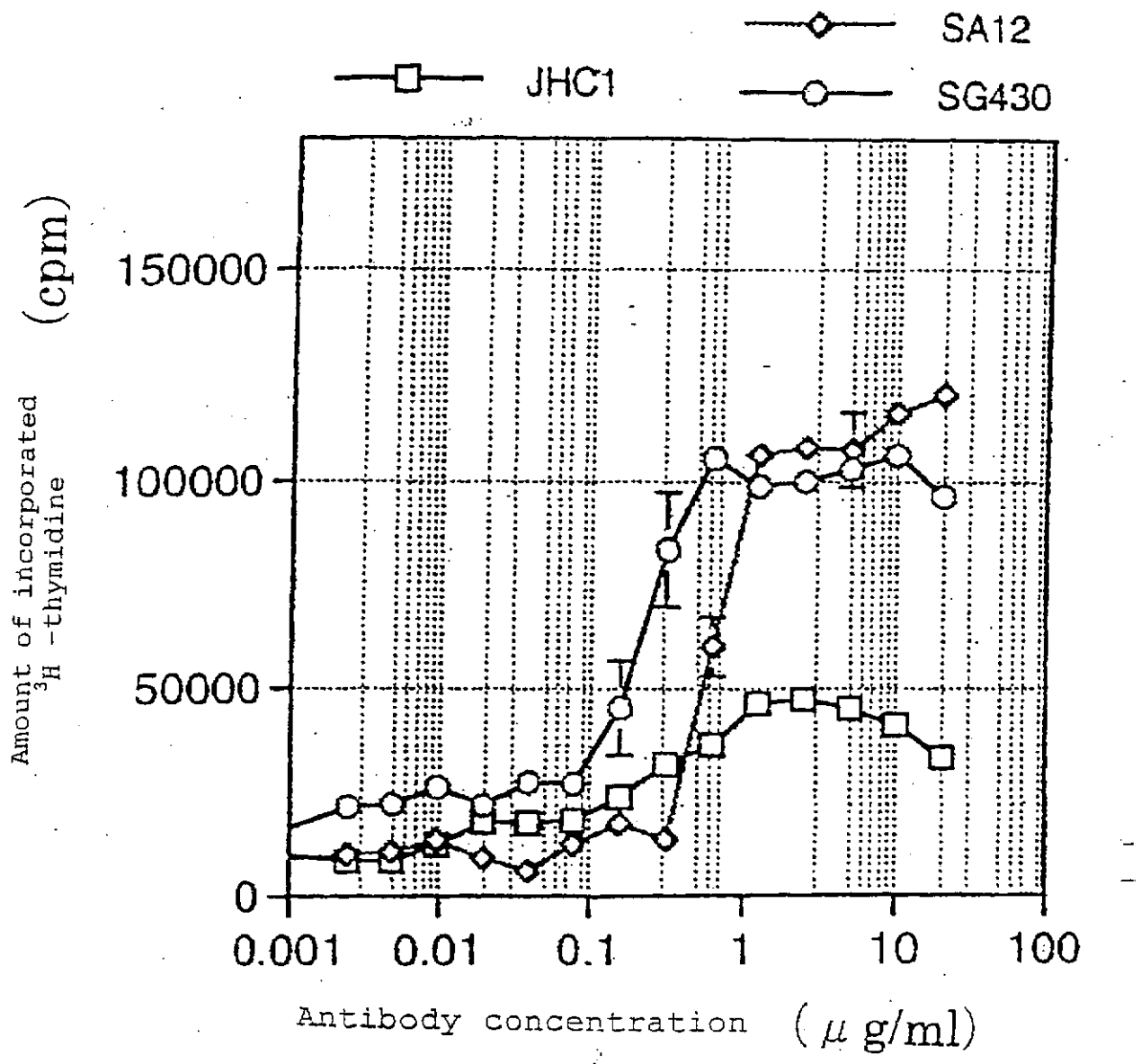

SA12
JHC1
SG430
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 26

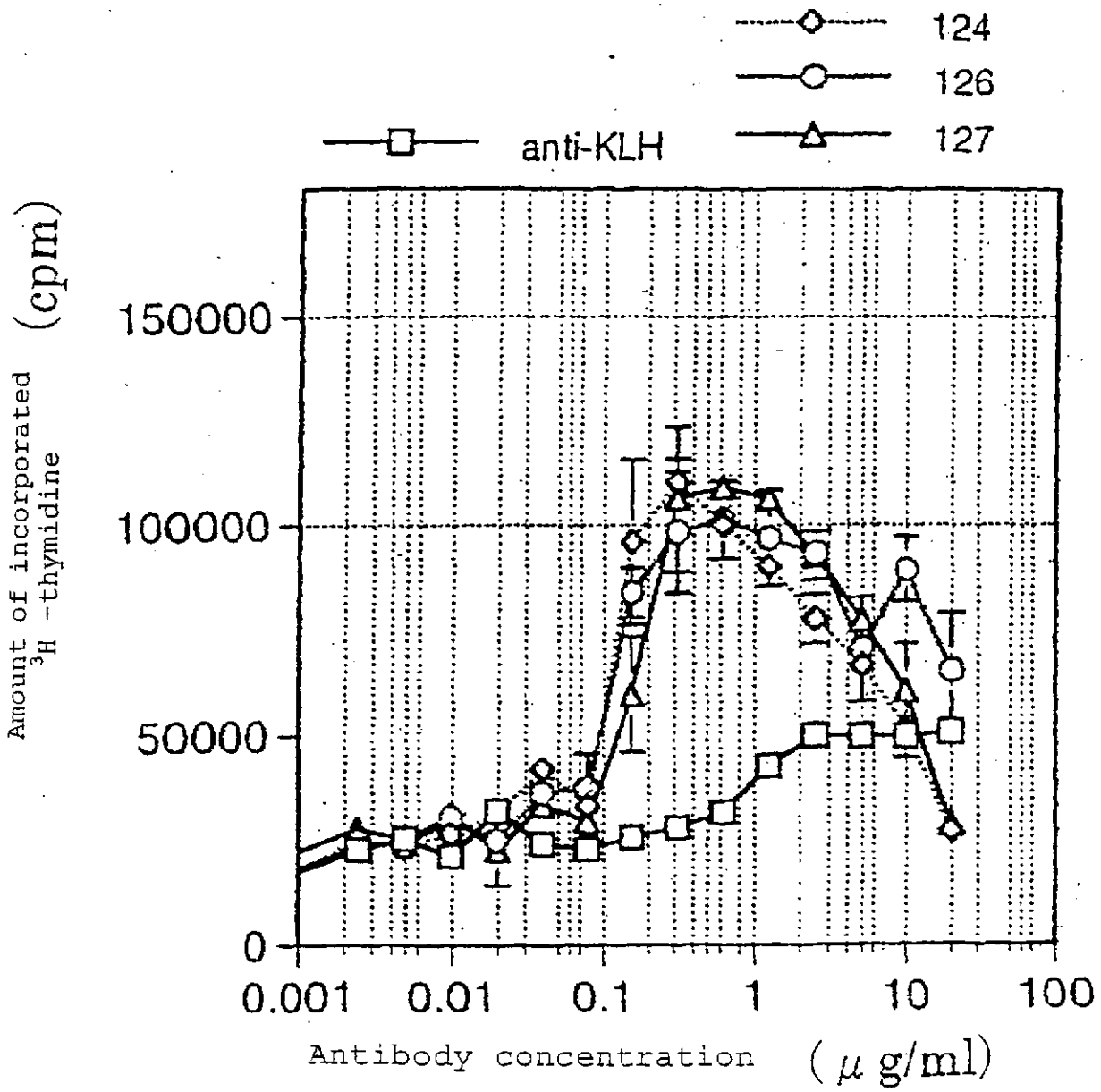

124
126
anti-KLH
127
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 27

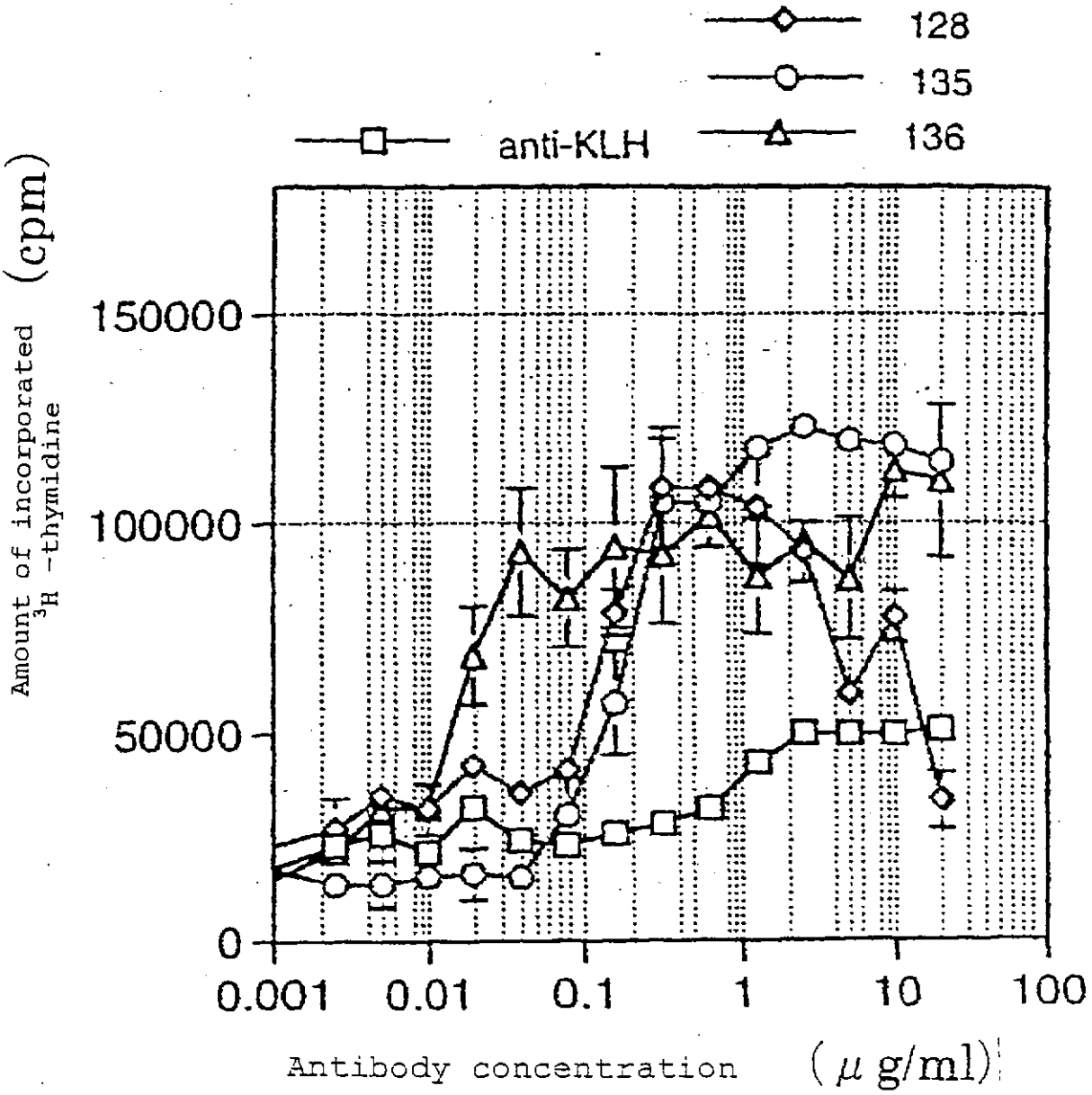

128
135
136
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 28

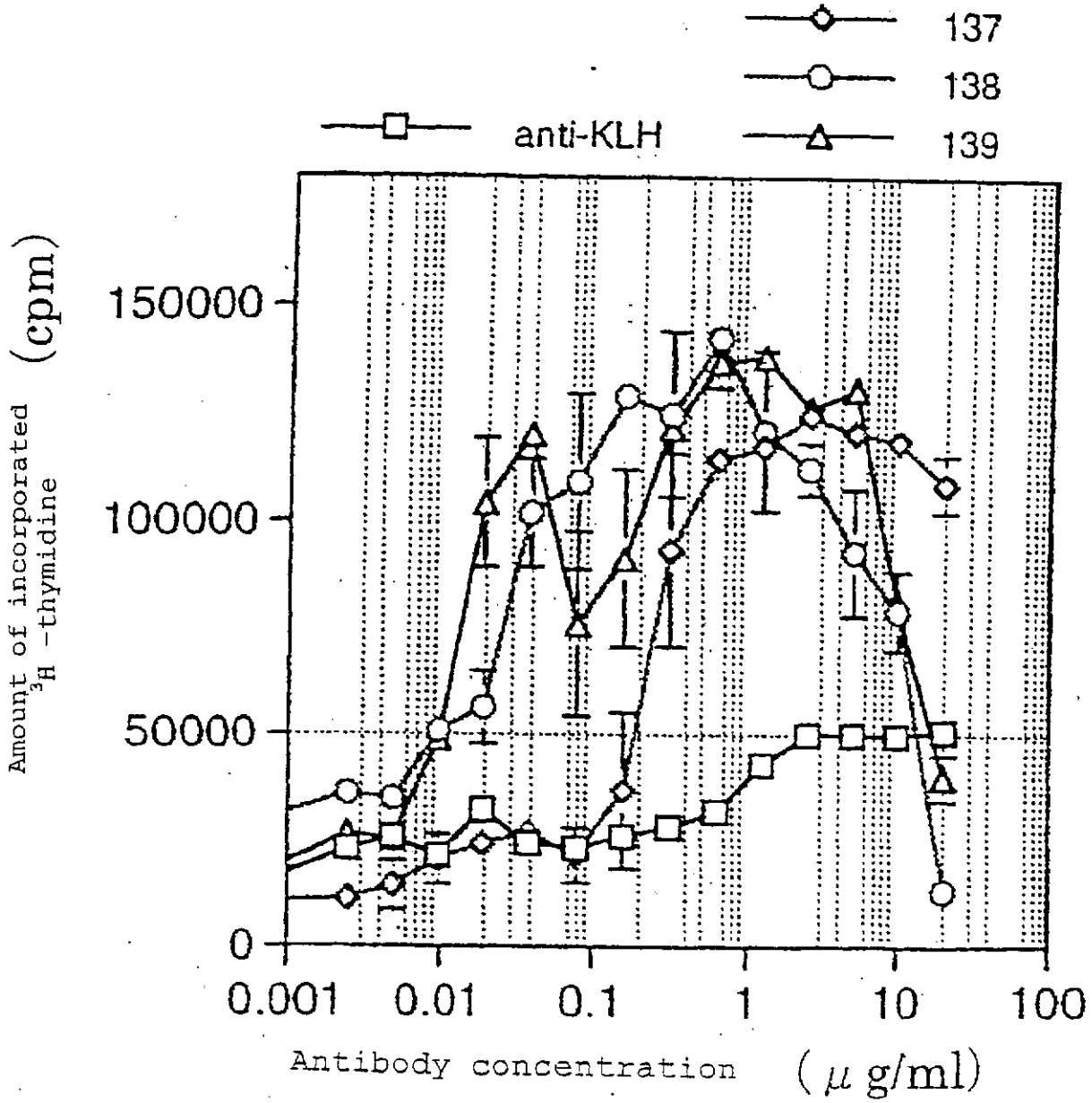

137
138
anti-KLH
139
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 29

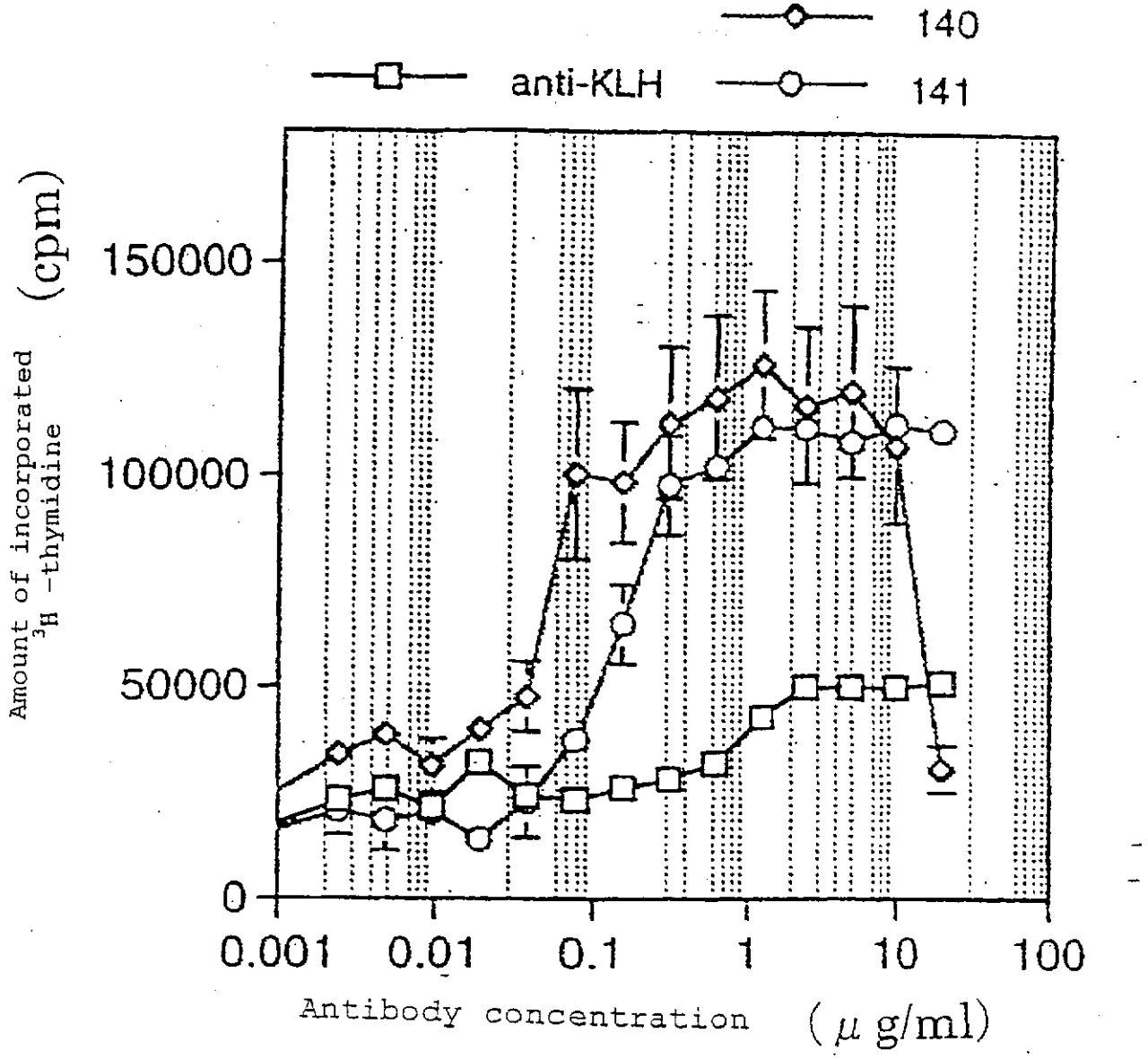

140
anti-KLH
141
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 30

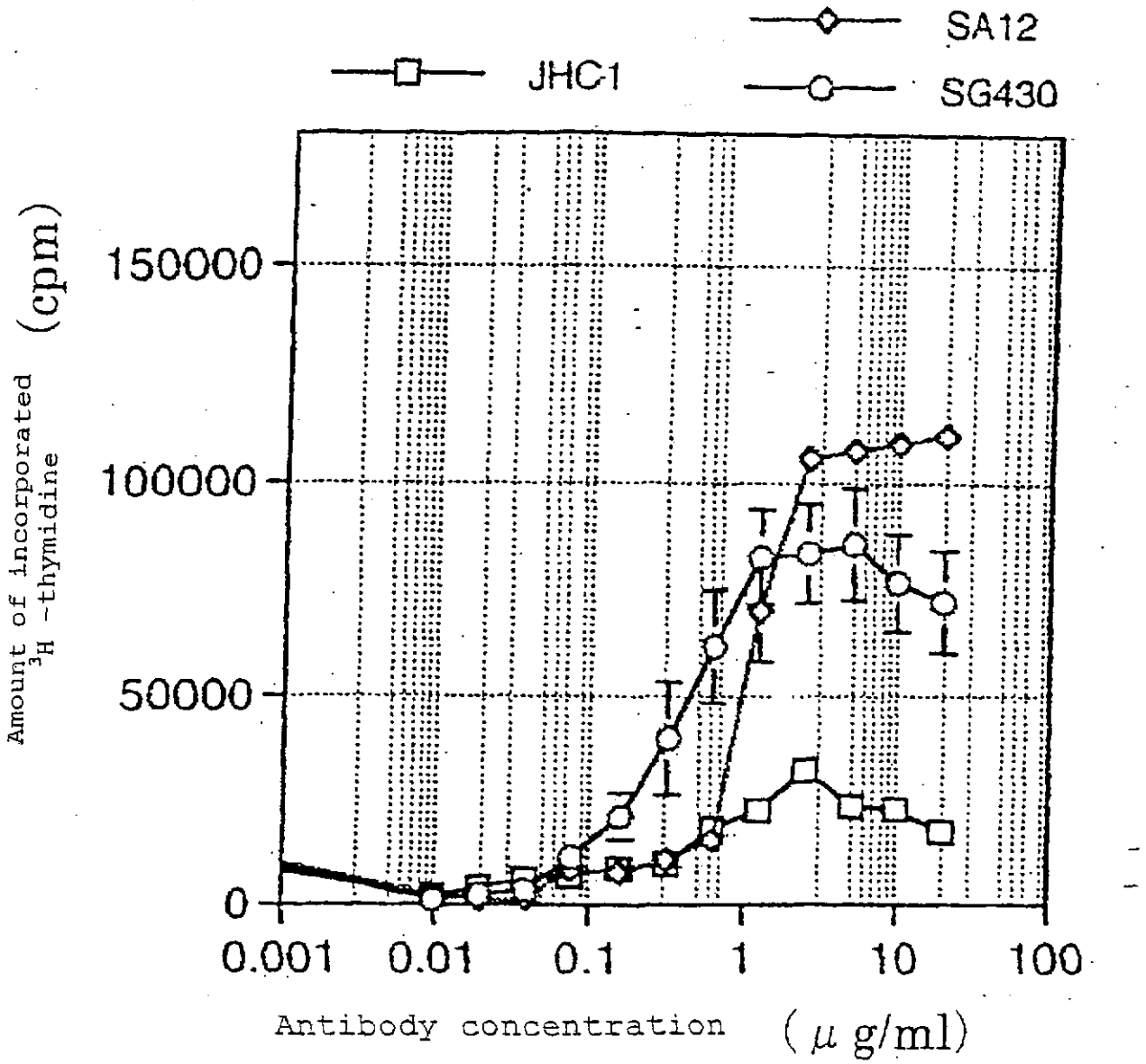

SA12
JHC1
SG430
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 31

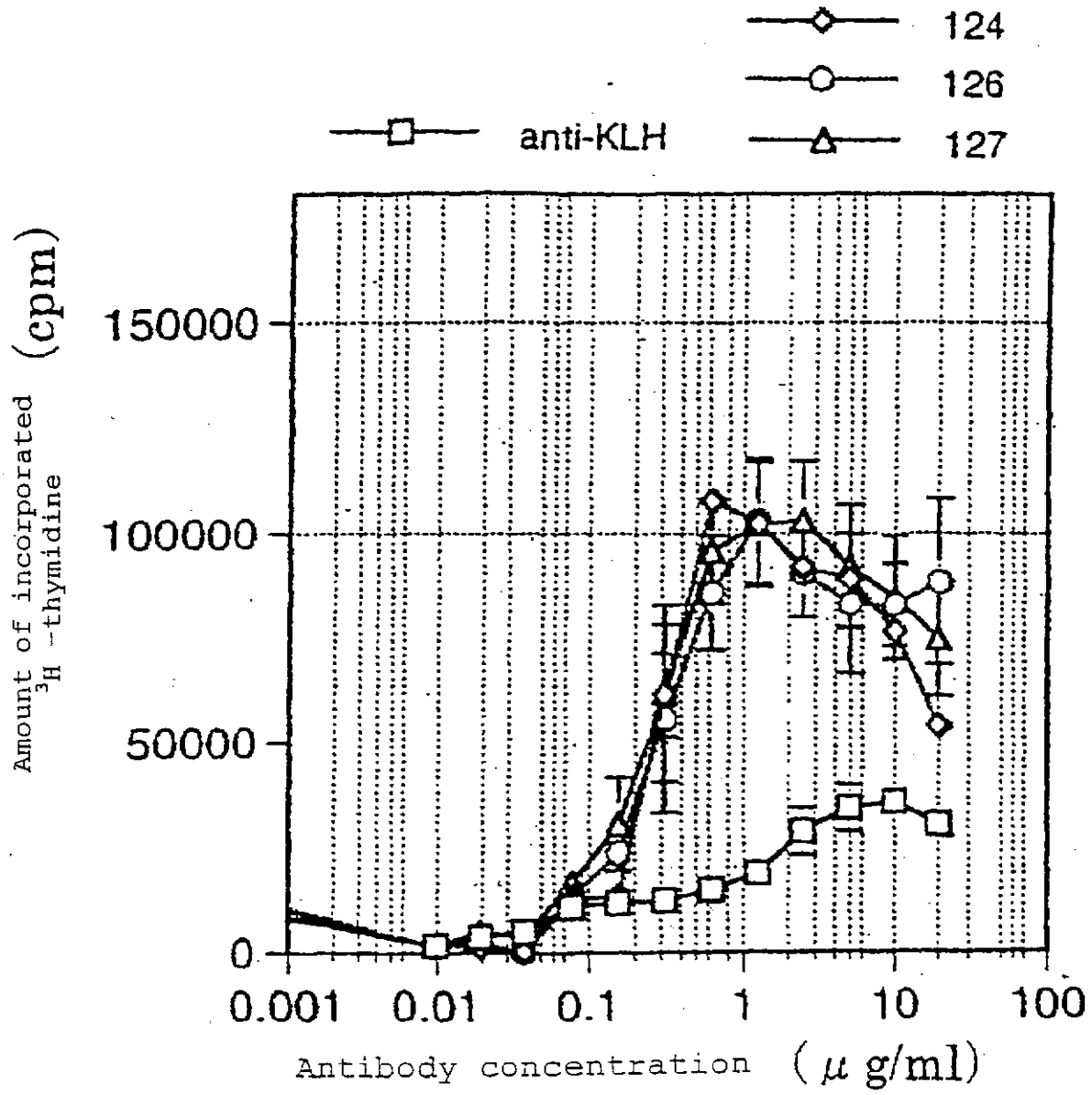

124
126
anti-KLH
127
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 32

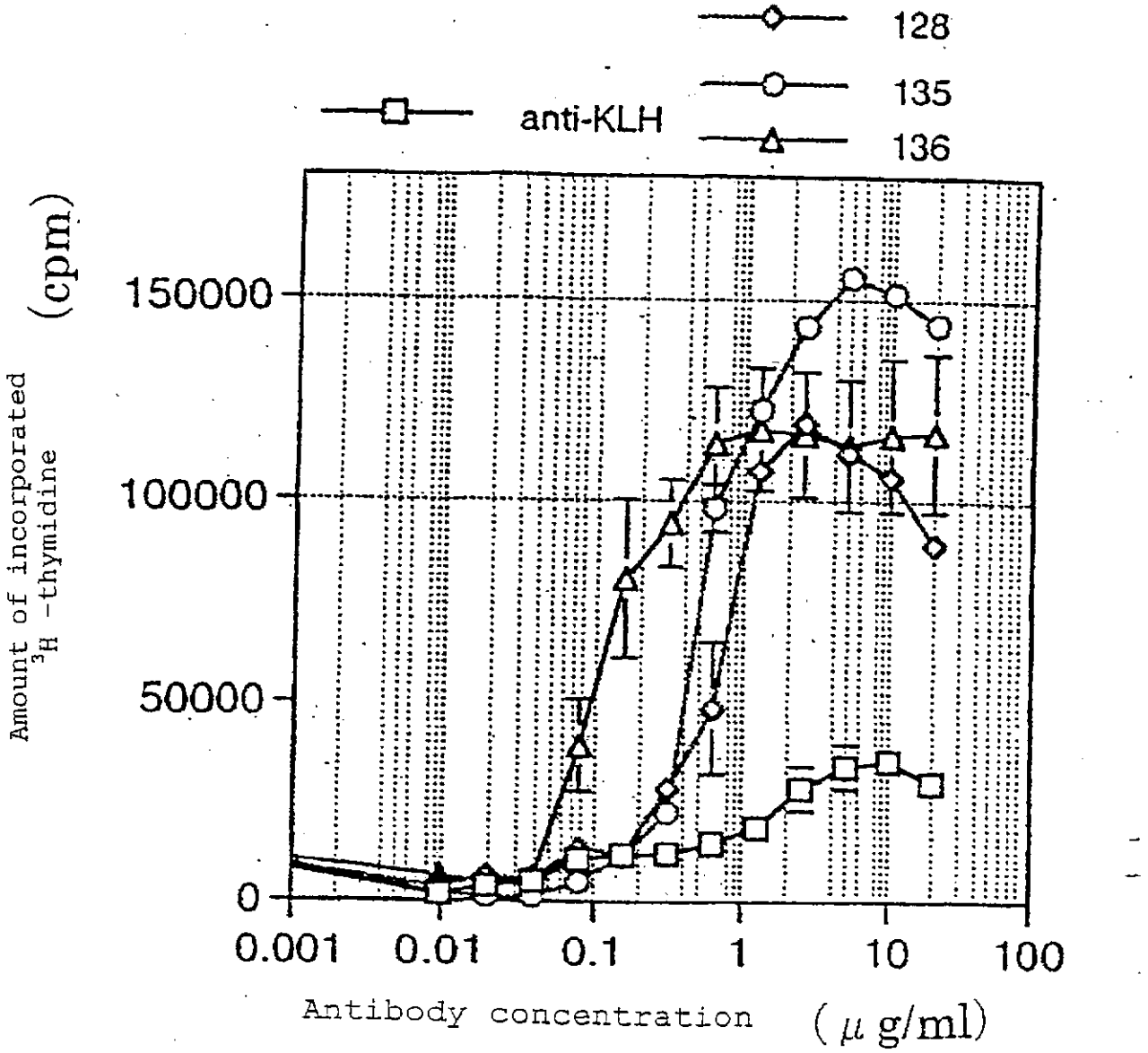

128
135
136
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 33

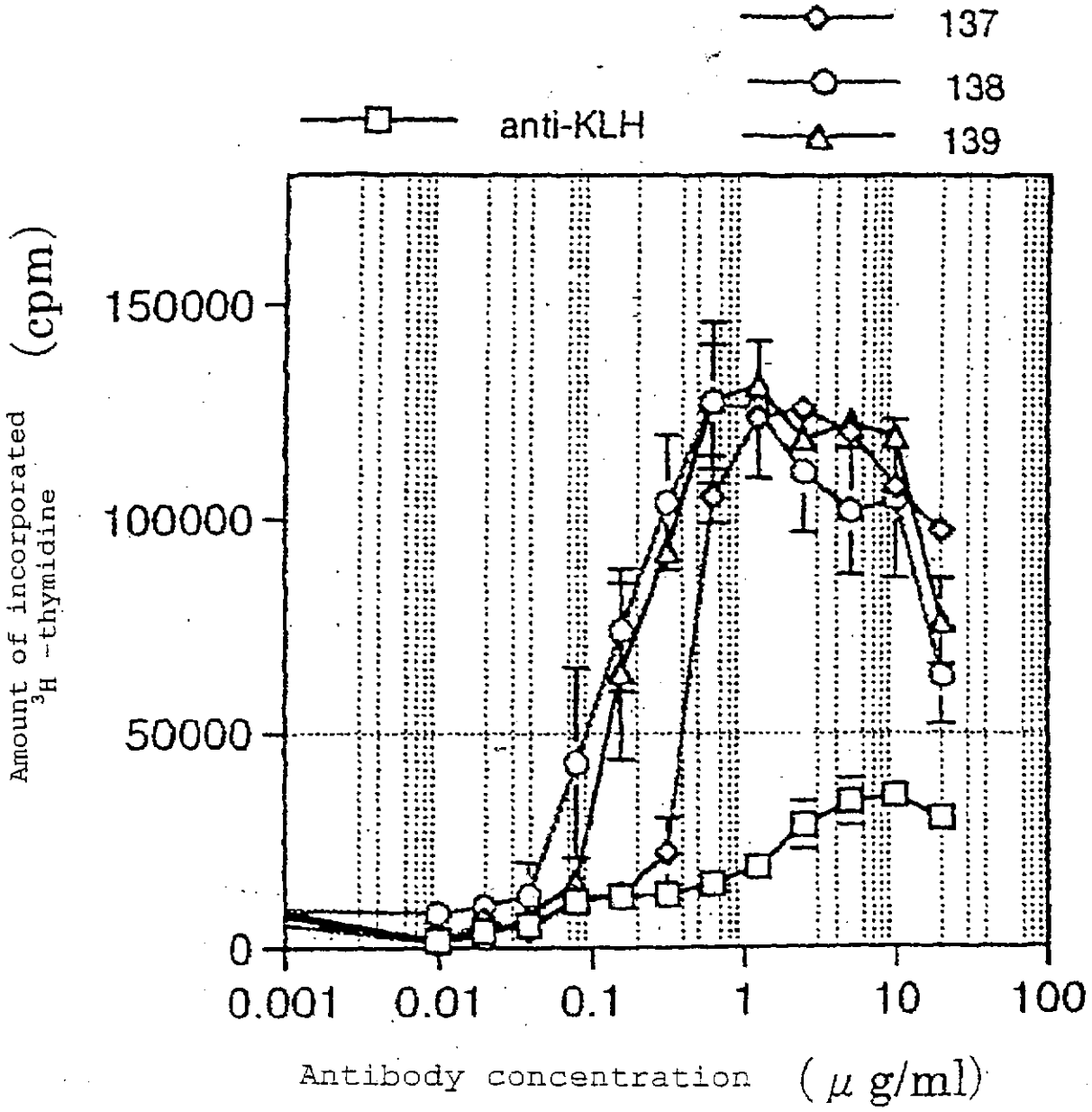

137
138
139
anti-KLH
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 34

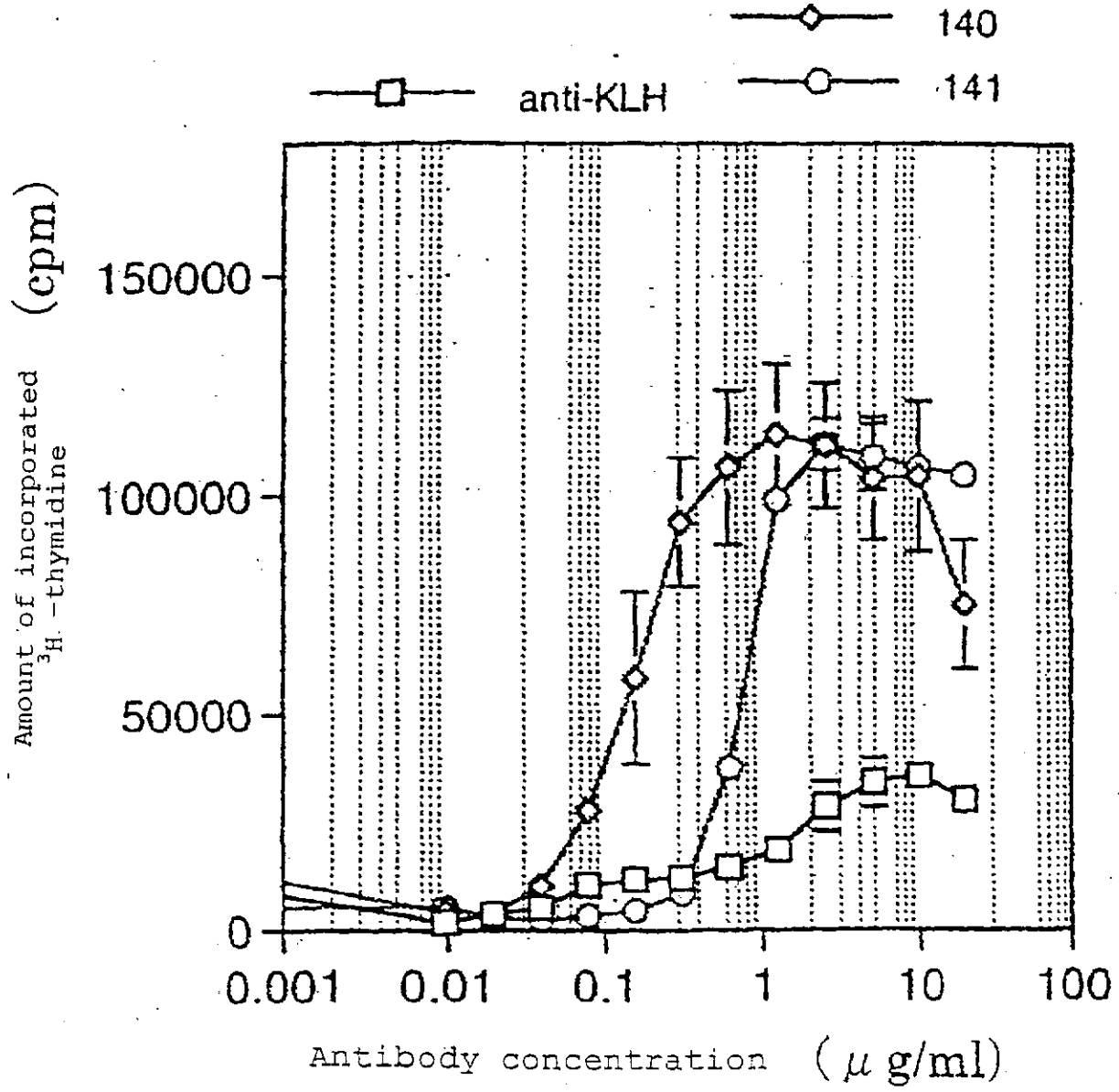

140
141
anti-KLH
Amount of incorporated ^{3}H-thymidine (cpm)
150000
100000
50000
0
0.001
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 35

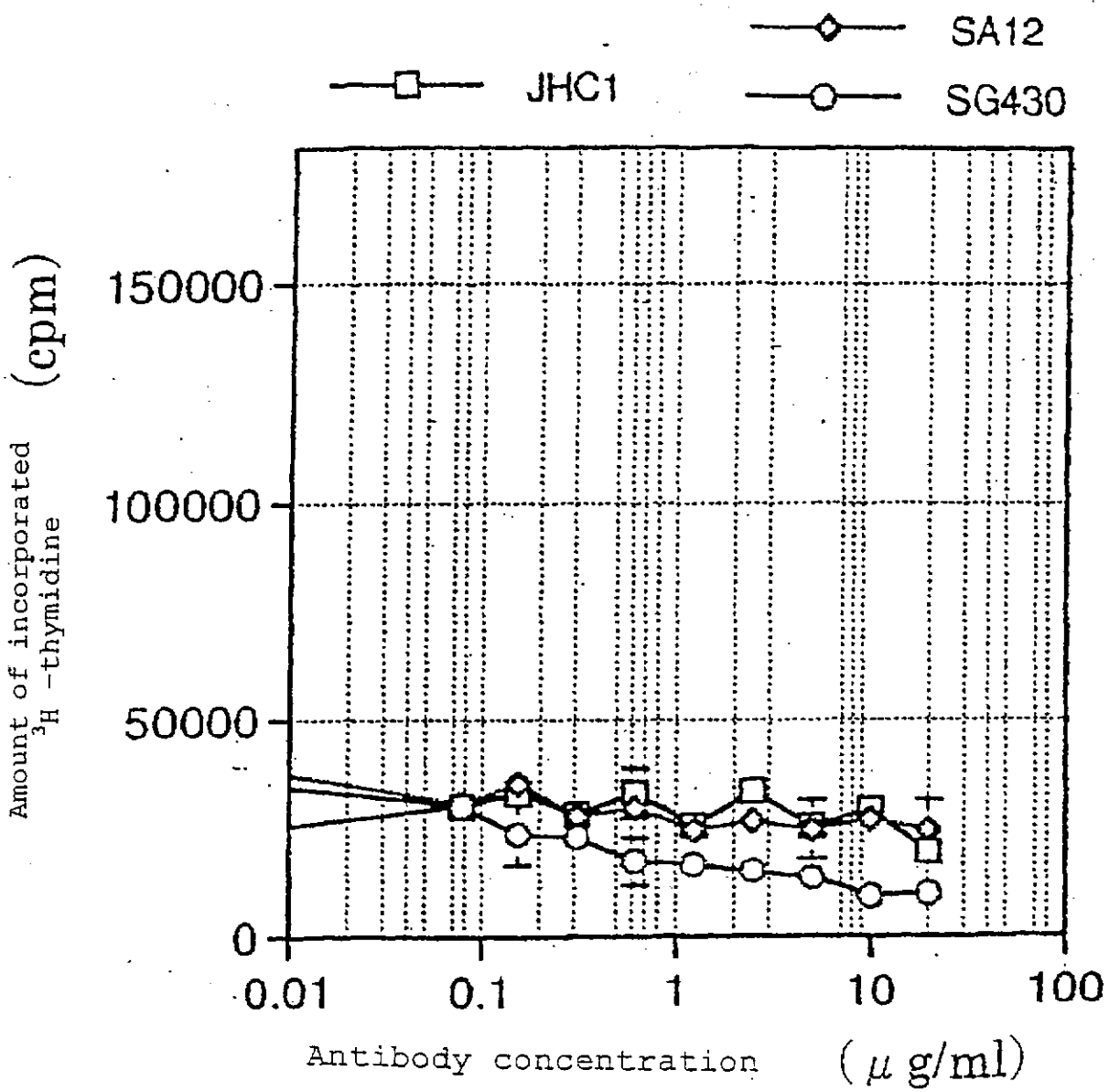

SA12
JHC1
SG430
150000
100000
50000
0
Amount of incorporated ^{3}H -thymidine (cpm)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 36

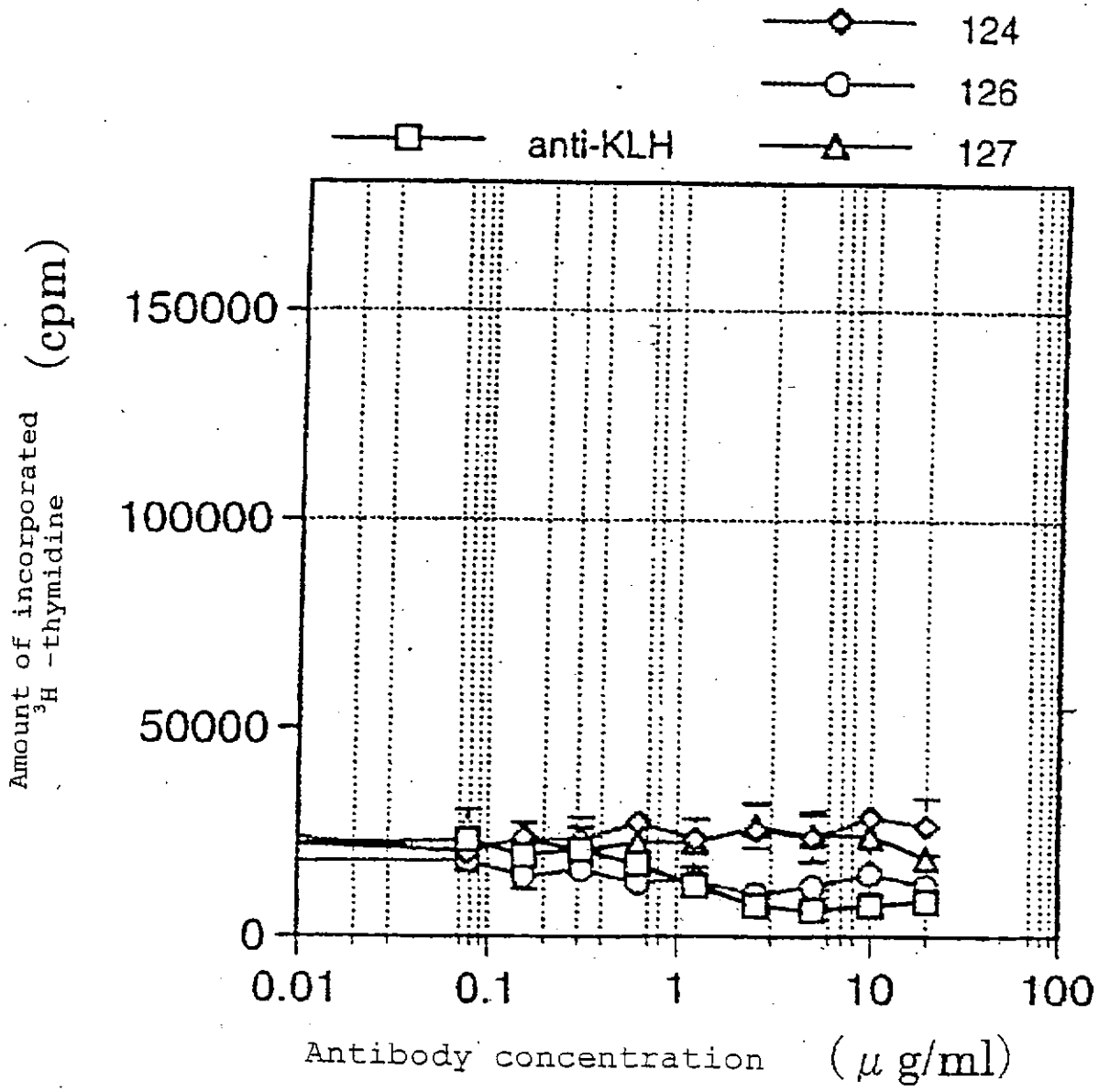

124
126
anti-KLH
127
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 37

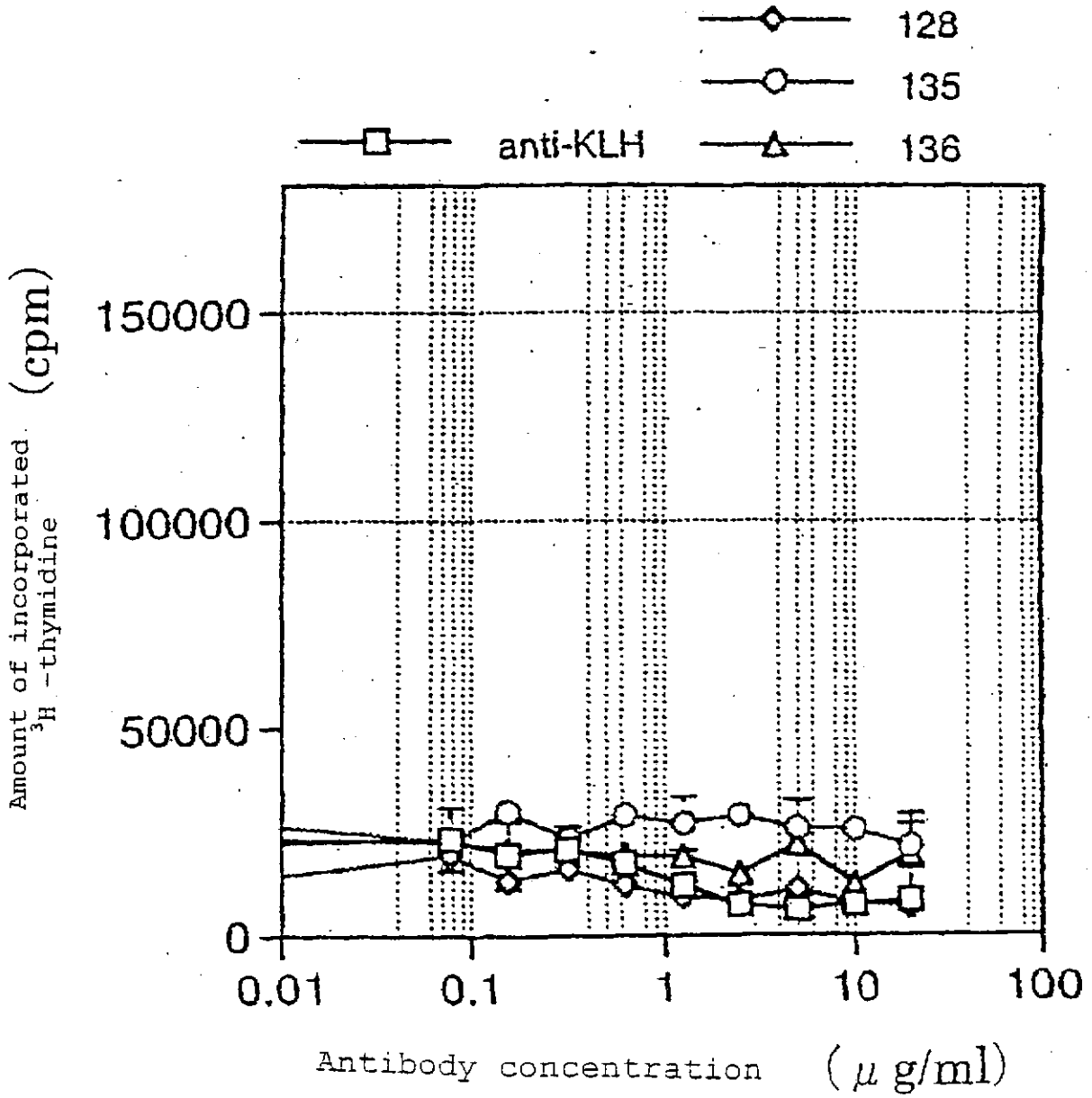

128
135
anti-KLH
136
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H -thymidine (cpm)
Antibody concentration (μg/ml)

Figure 38

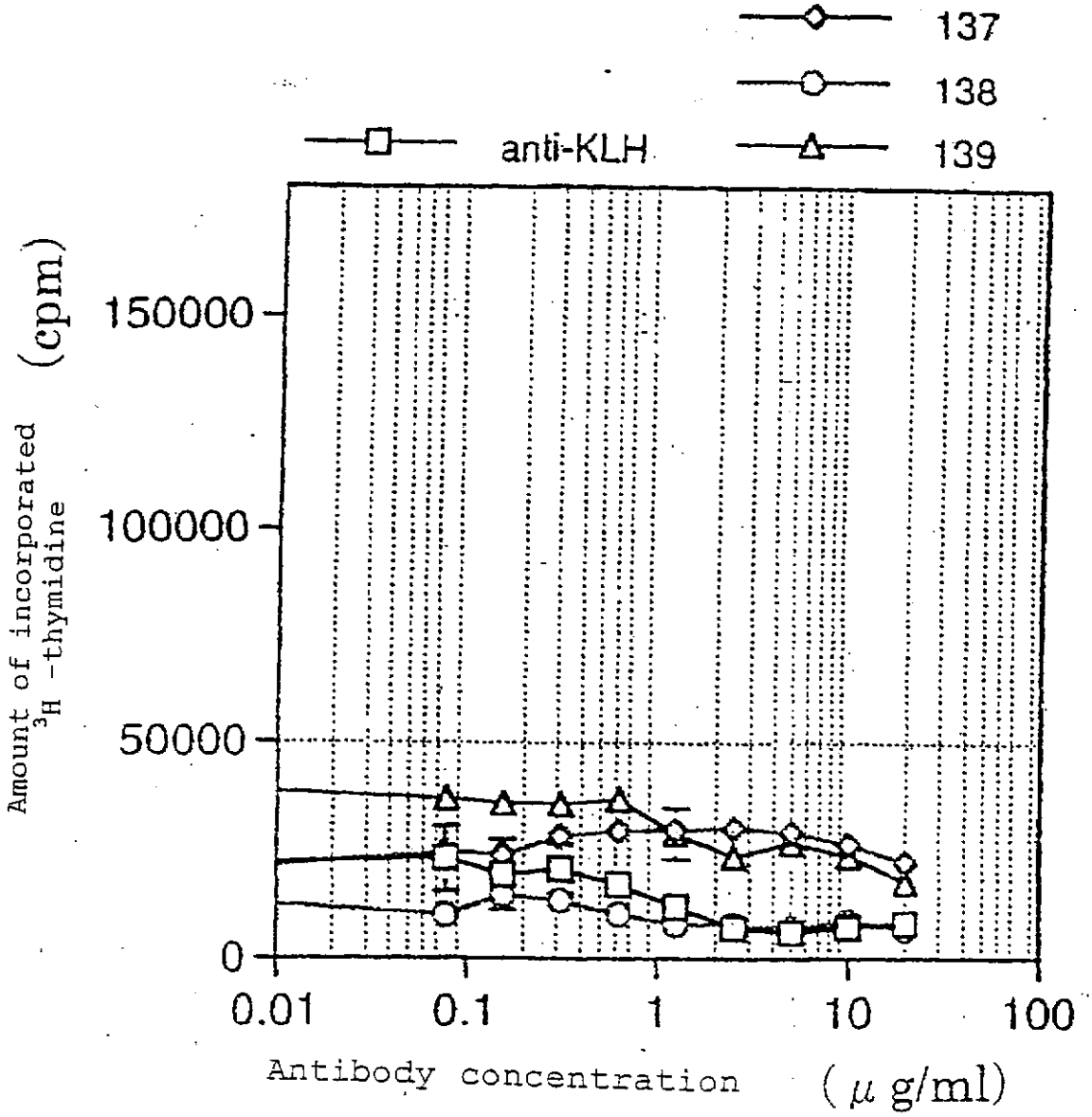

137
138
anti-KLH
139
Amount of incorporated ^{3}H -thymidine (cpm)
150000
100000
50000
0
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 39

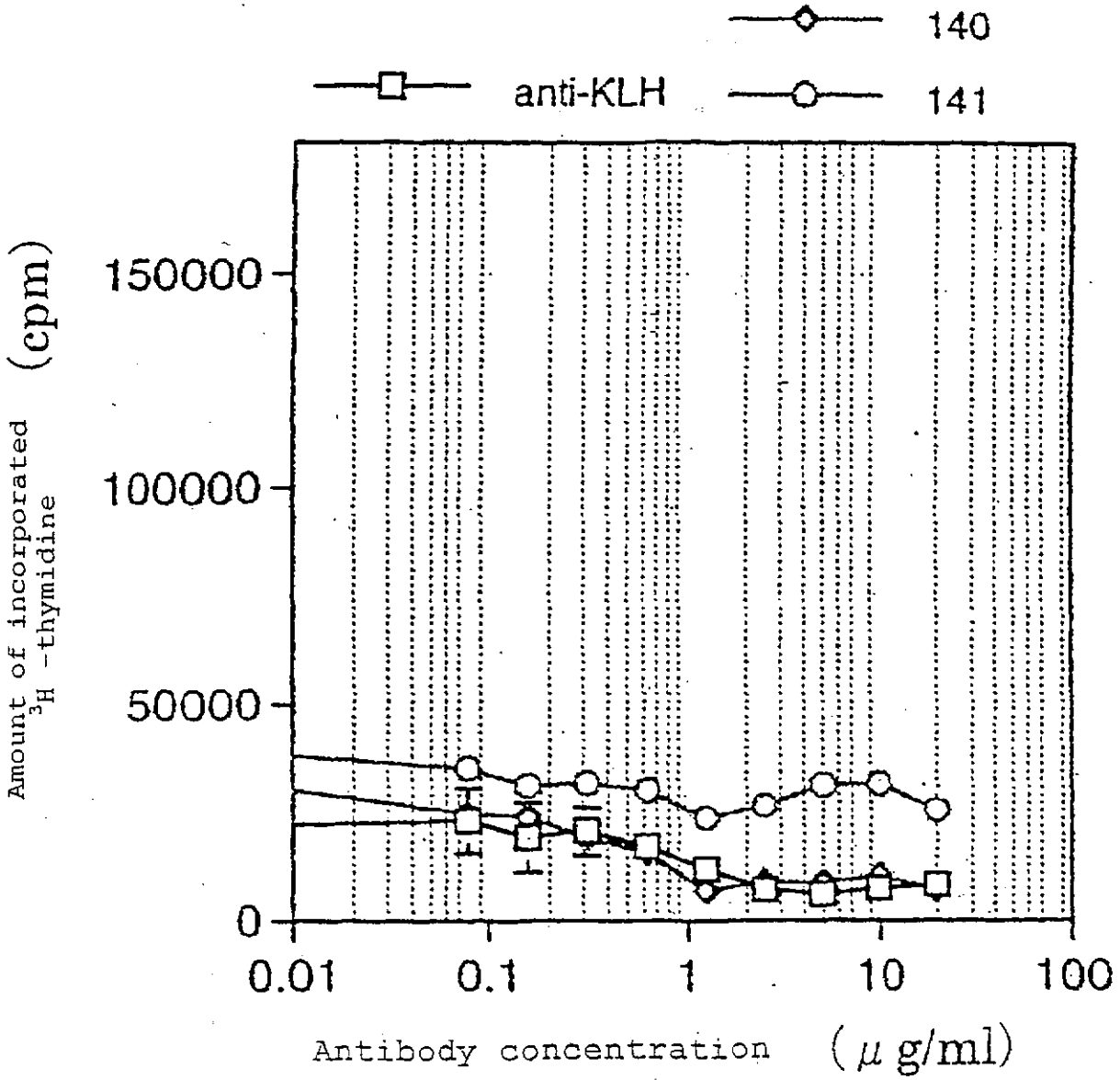

140
anti-KLH
141
150000
100000
50000
0
Amount of incorporated ^{3}H -thymidine (cpm)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 40

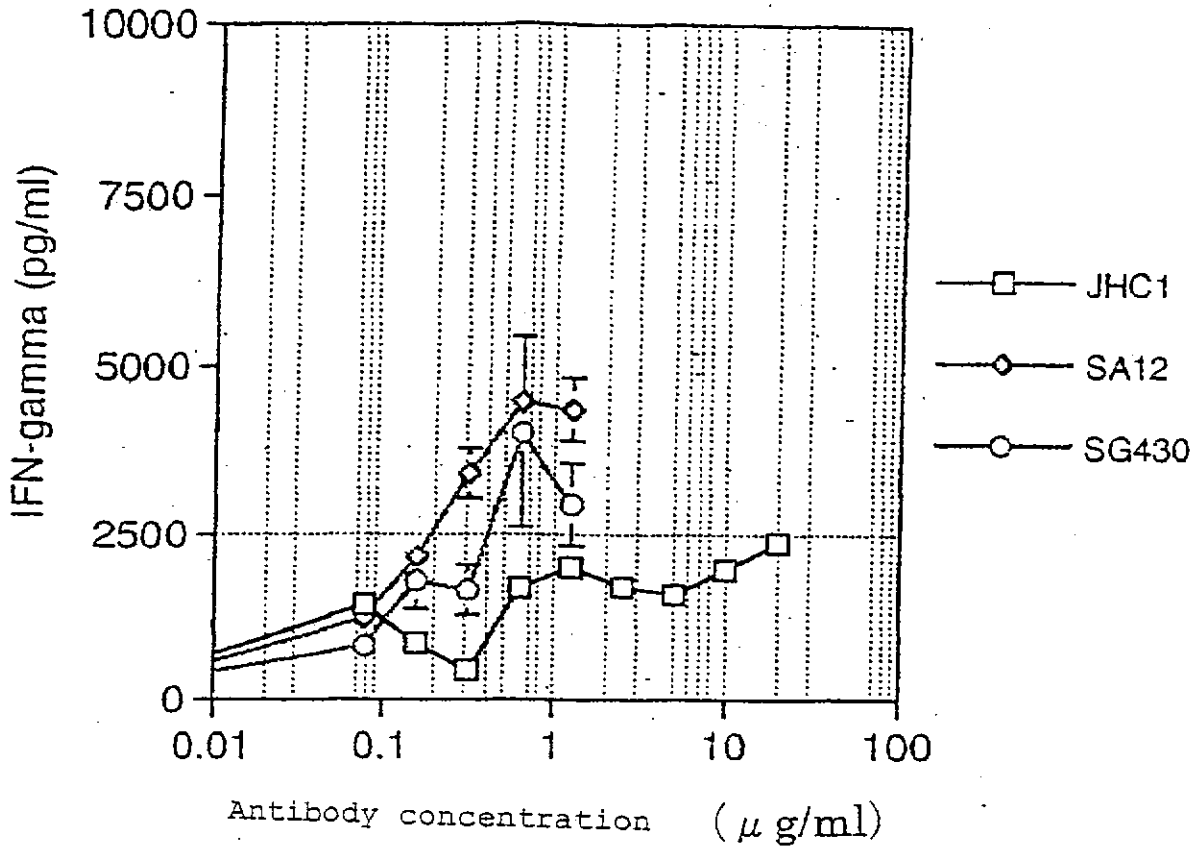

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
JHC1
SA12
SG430

Figure 41

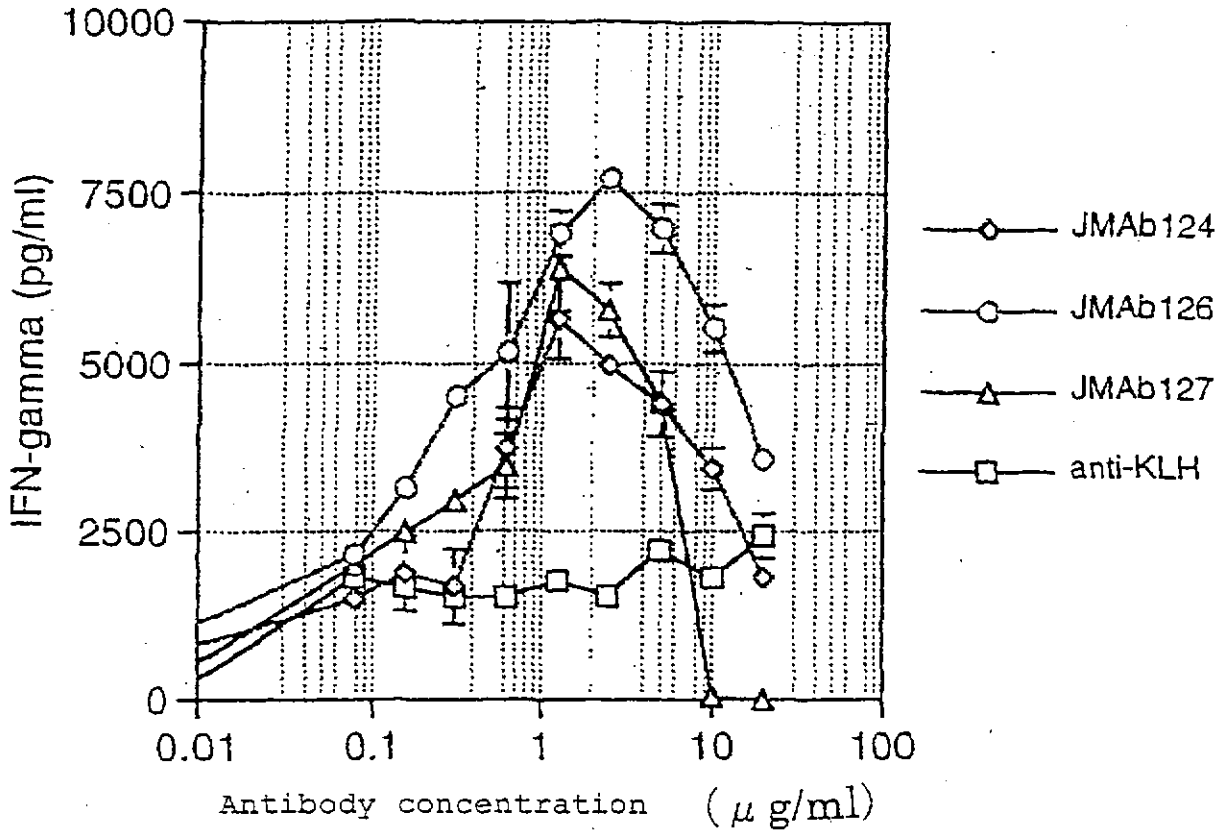

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
JMAb124
JMAb126
JMAb127
anti-KLH

Figure 42

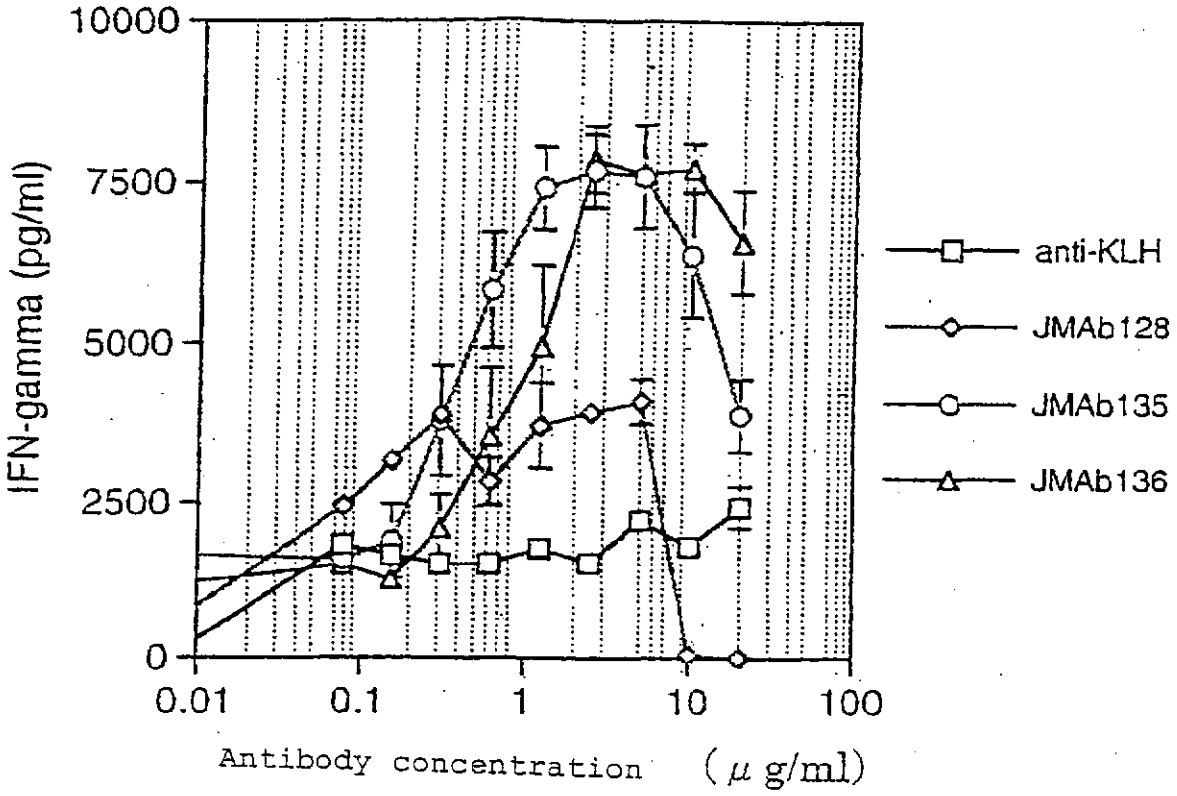

10000
7500
5000
2500
0
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)
anti-KLH
JMAb128
JMAb135
JMAb136

Figure 43

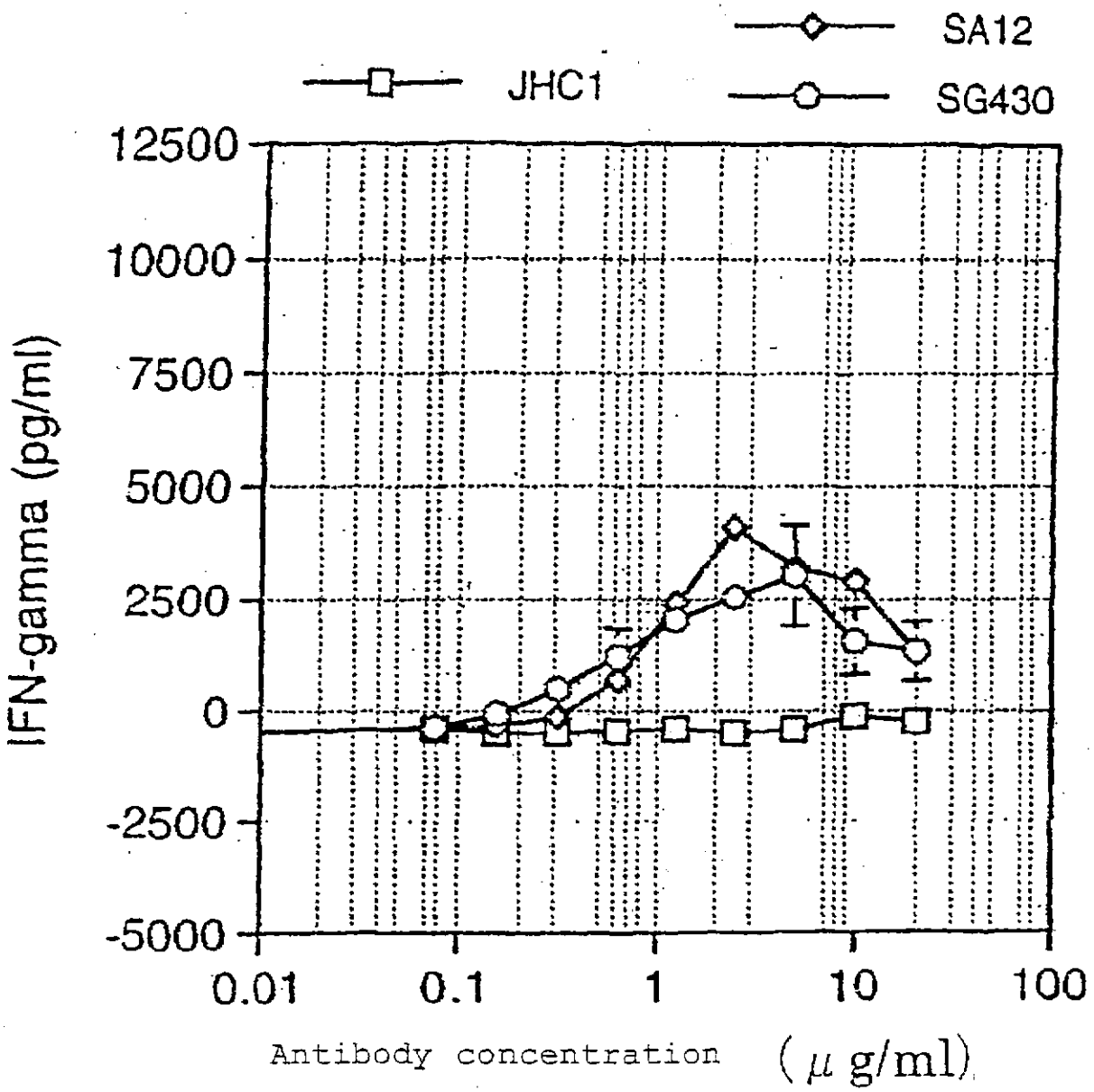

SA12
JHC1
SG430
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 44

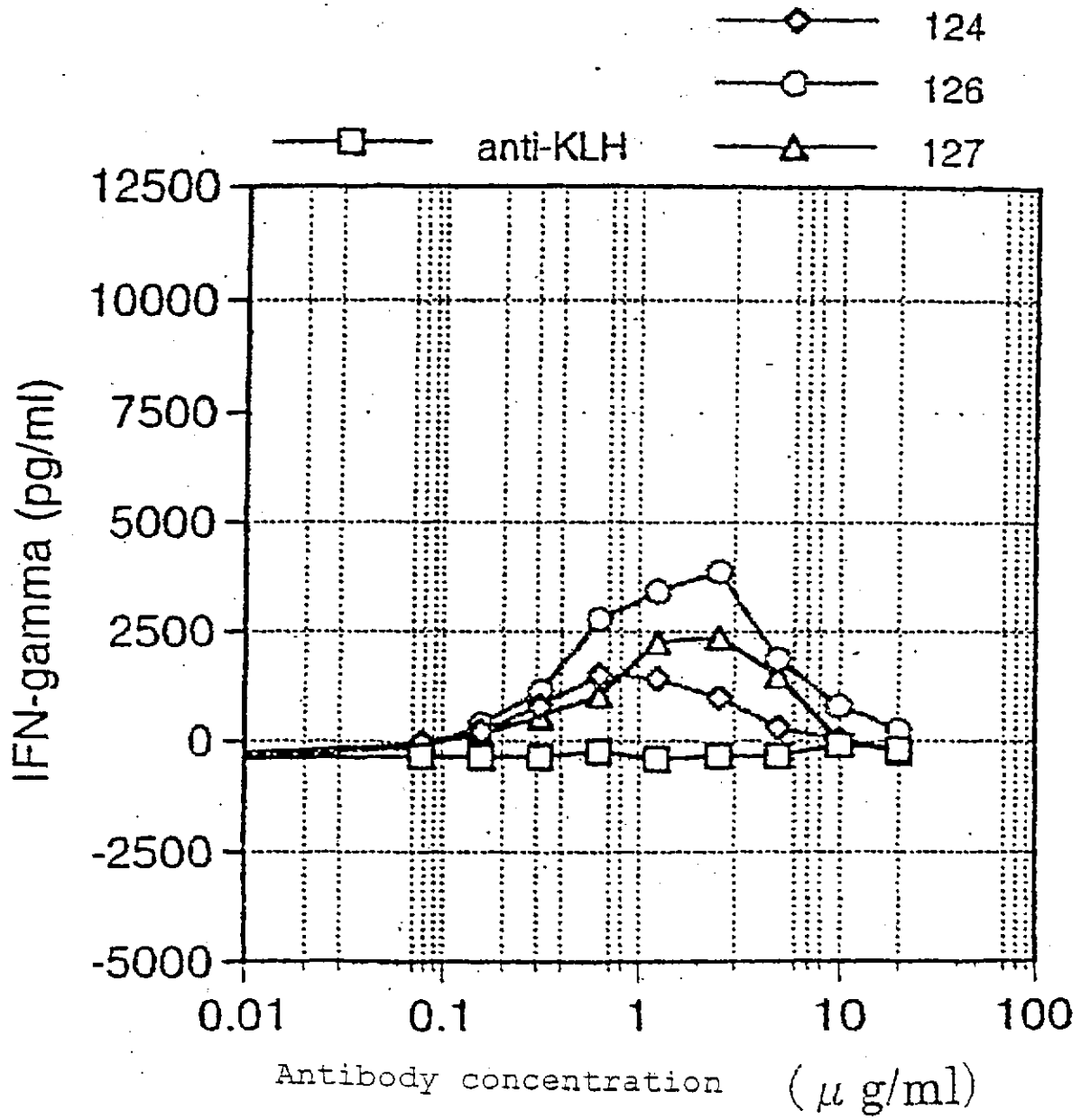

124
126
anti-KLH
127
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration
(μg/ml)

Figure 45

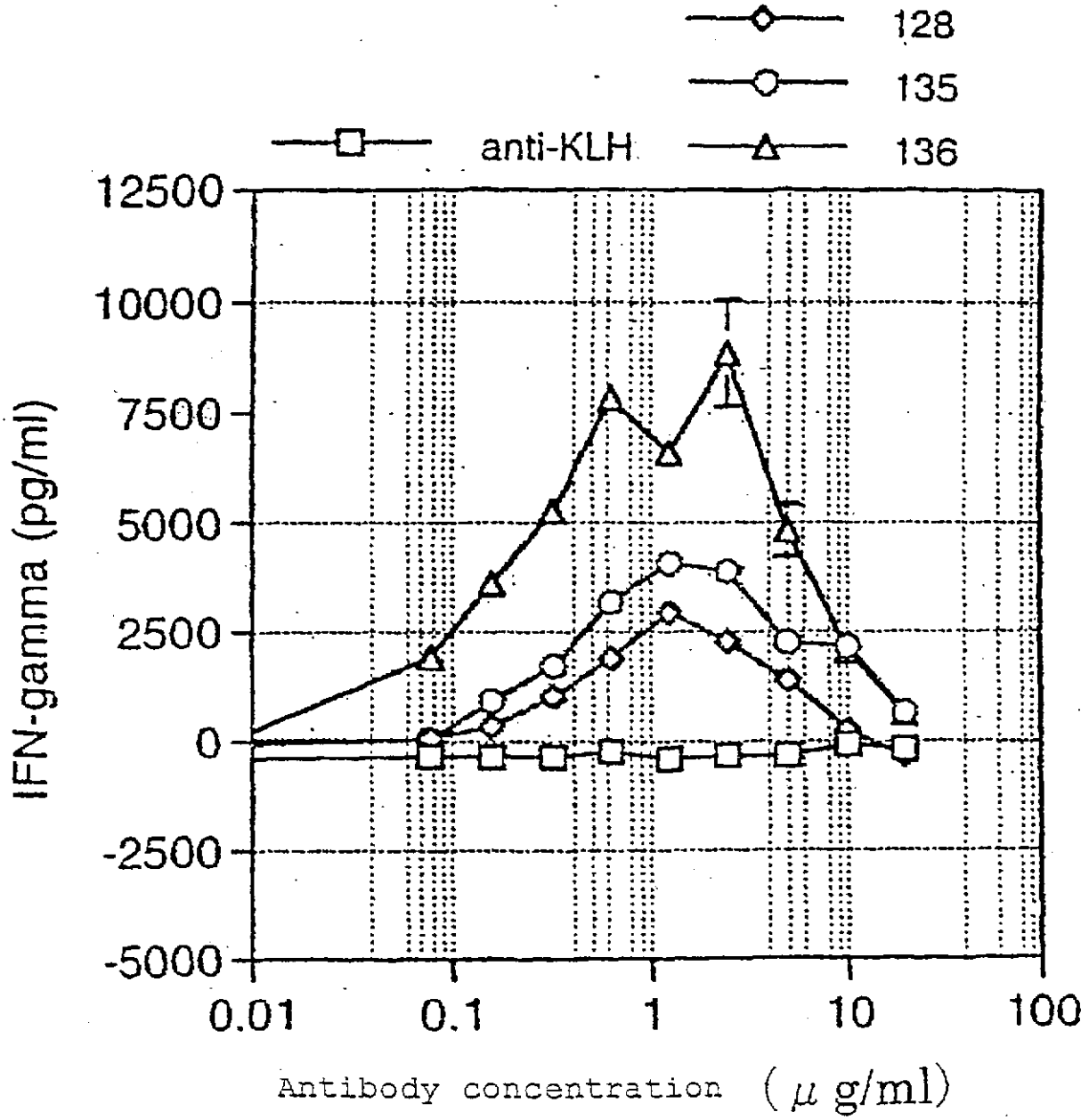

128
135
anti-KLH
136
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 46

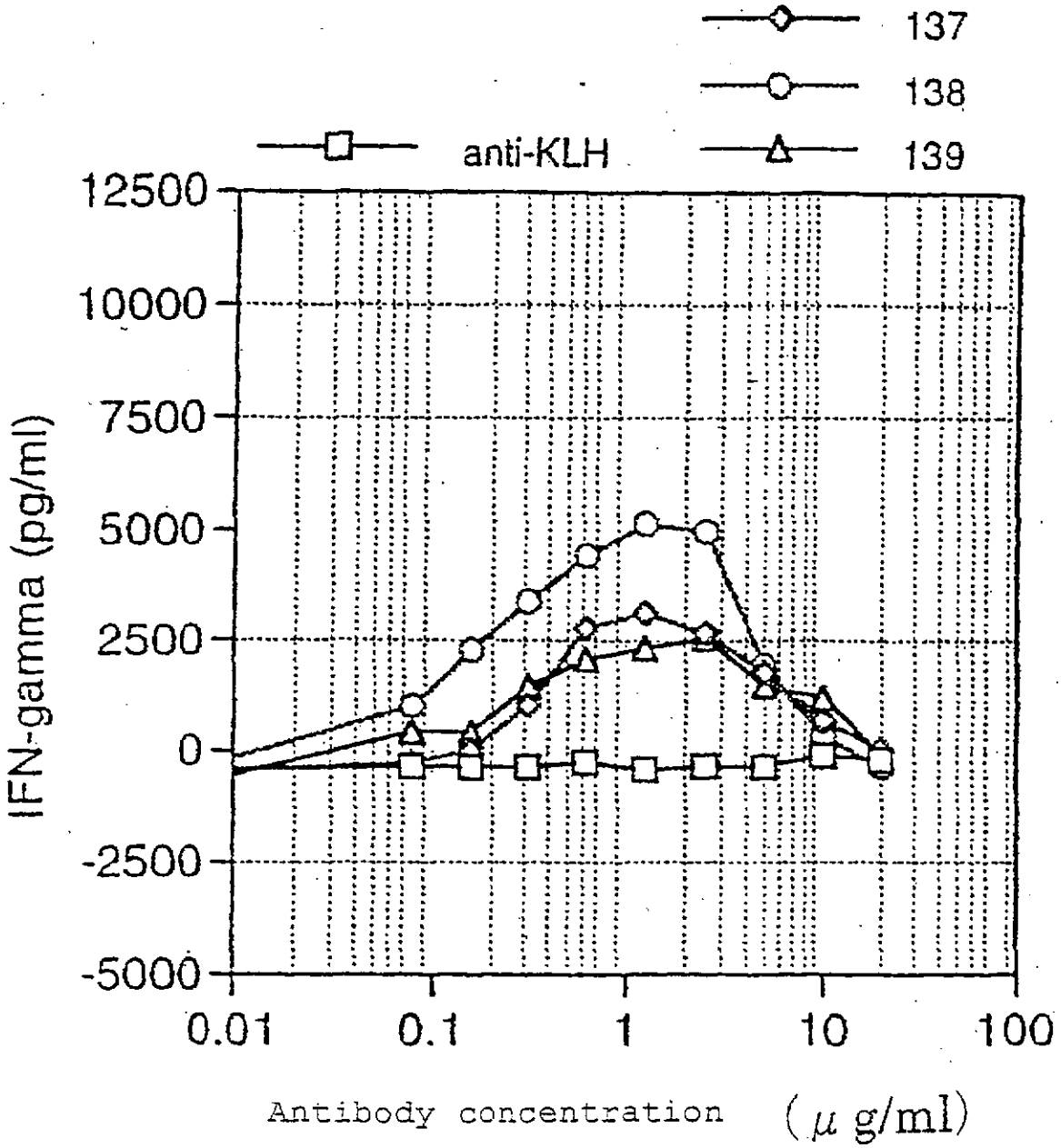

137
138
anti-KLH
139
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 47

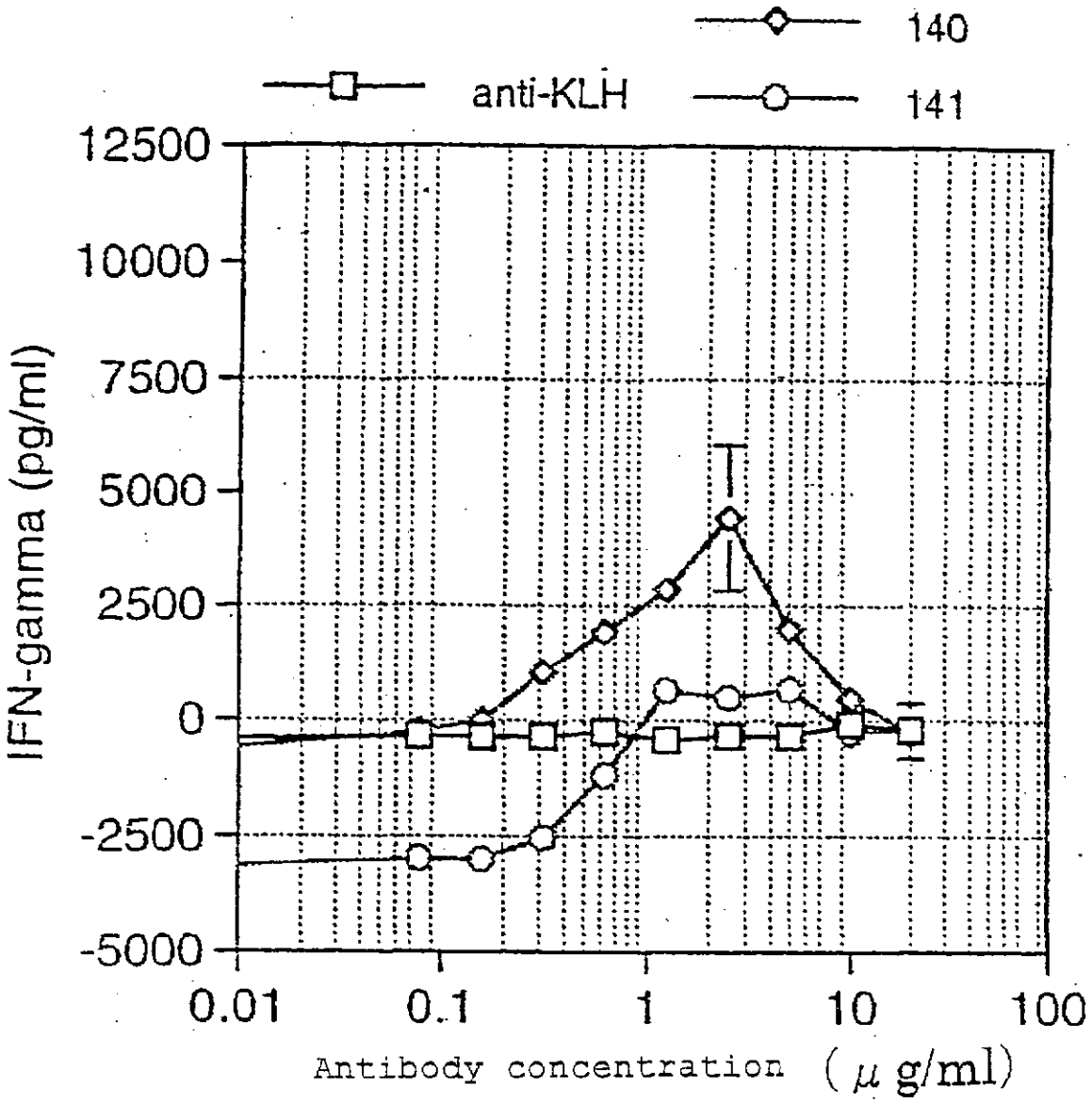

140
anti-KLH
141
12500
10000
7500
5000
2500
0
-2500
-5000
IFN-gamma (pg/ml)
0.01
0.1
1
10
100
Antibody concentration (μg/ml)

Figure 48

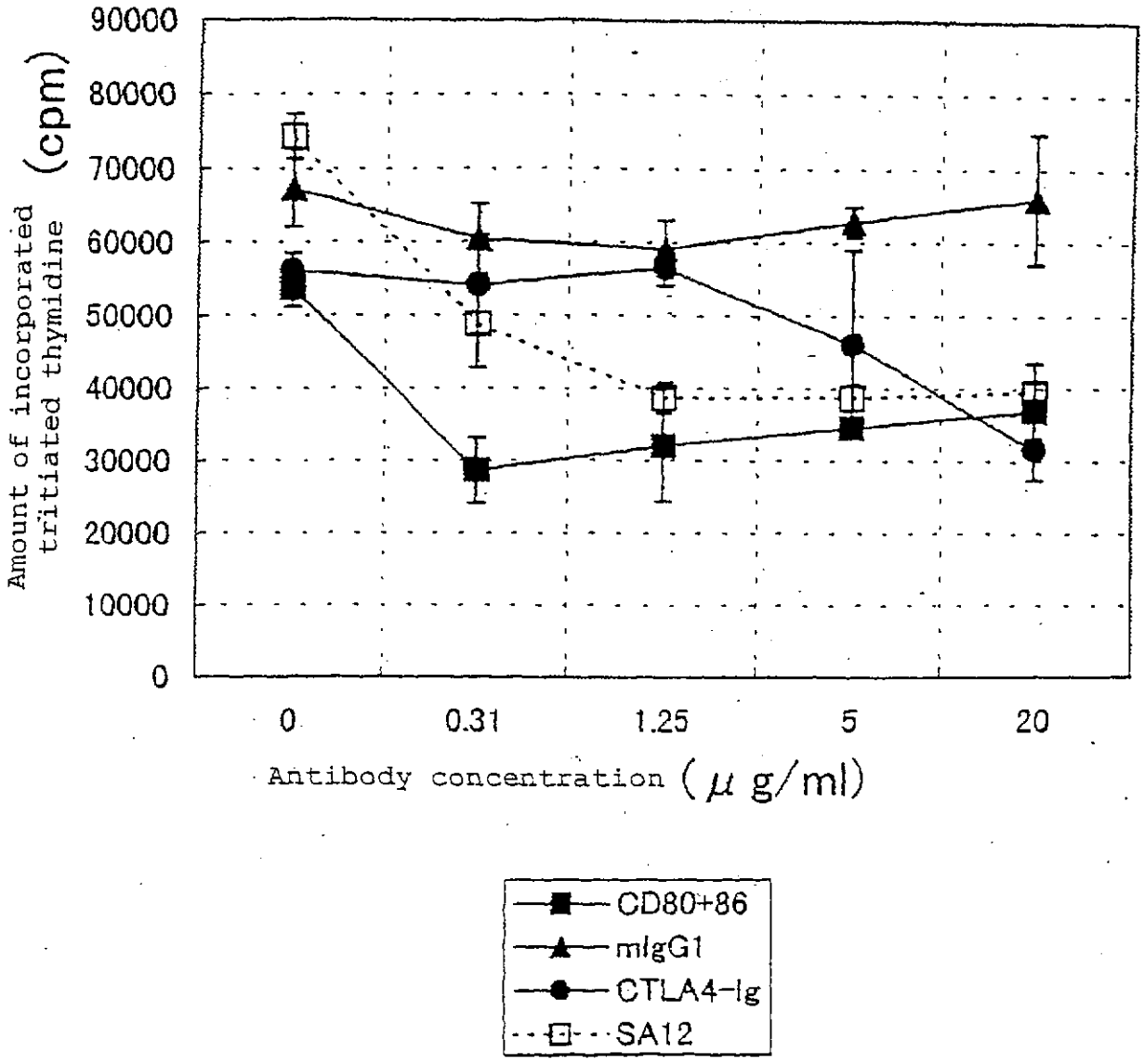

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 49

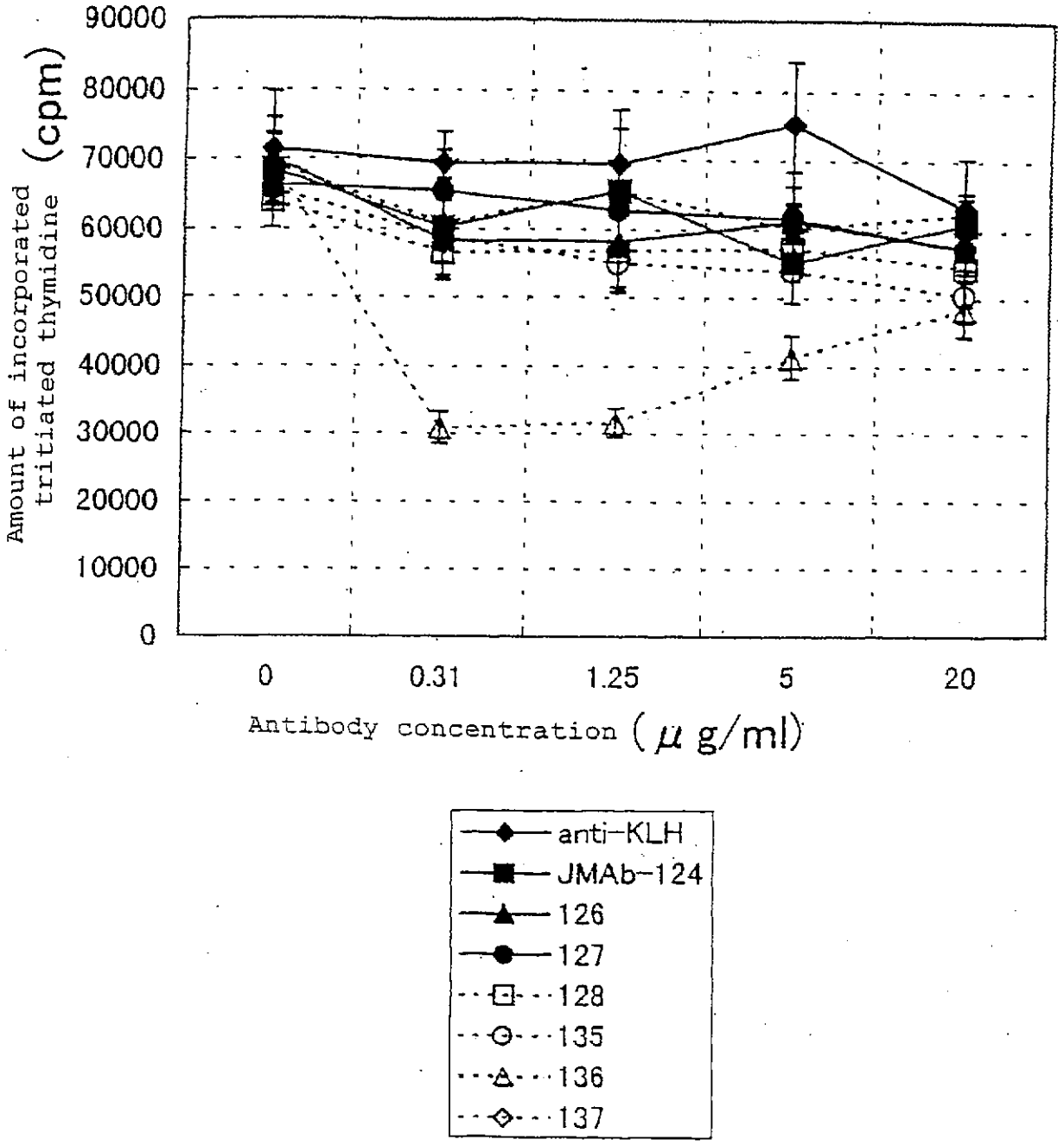

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 50

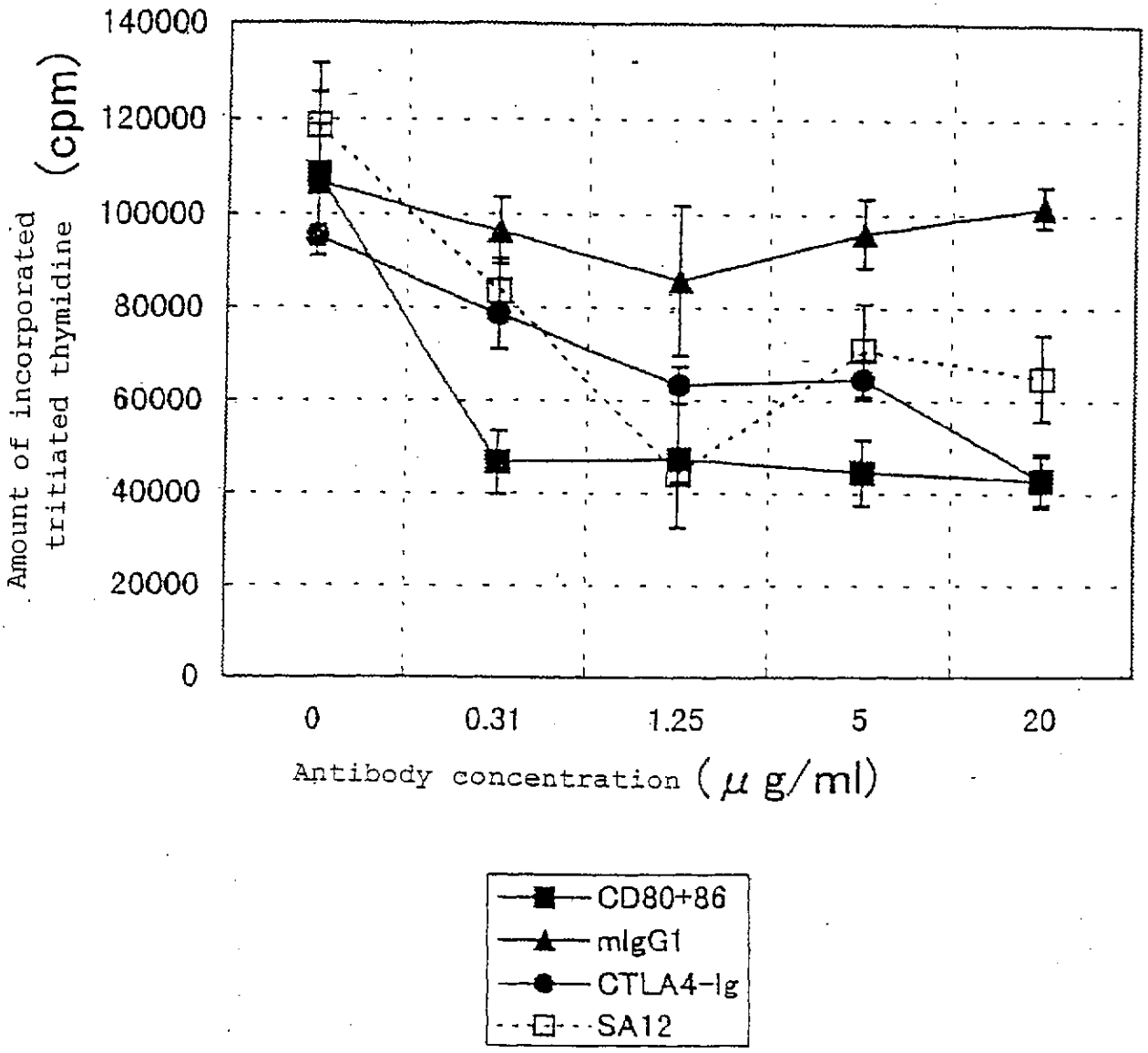

140000
120000
100000
80000
60000
40000
20000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 51

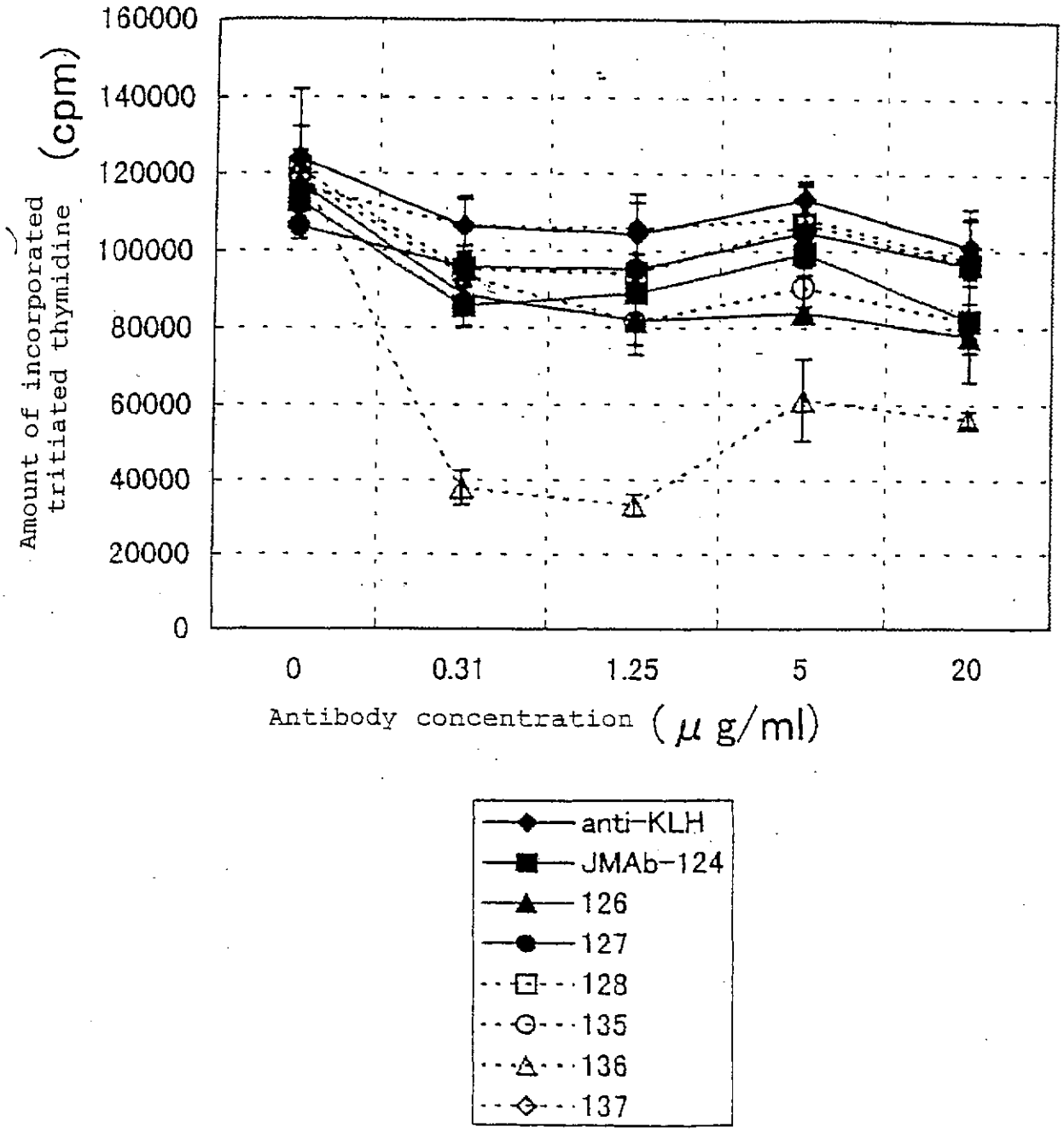

160000
140000
120000
100000
80000
60000
40000
20000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 52

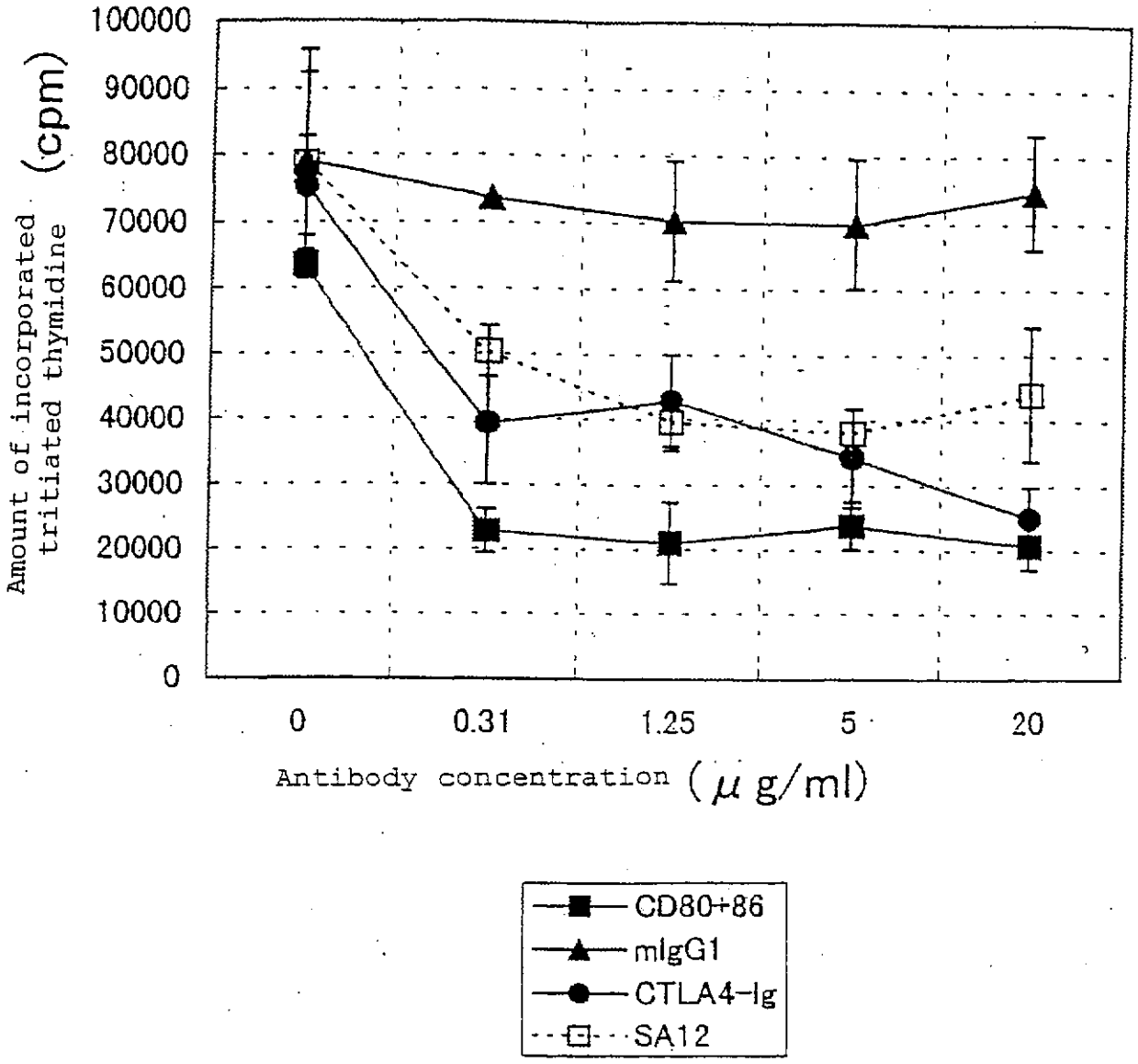

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
CTLA4-Ig
SA12

Figure 53

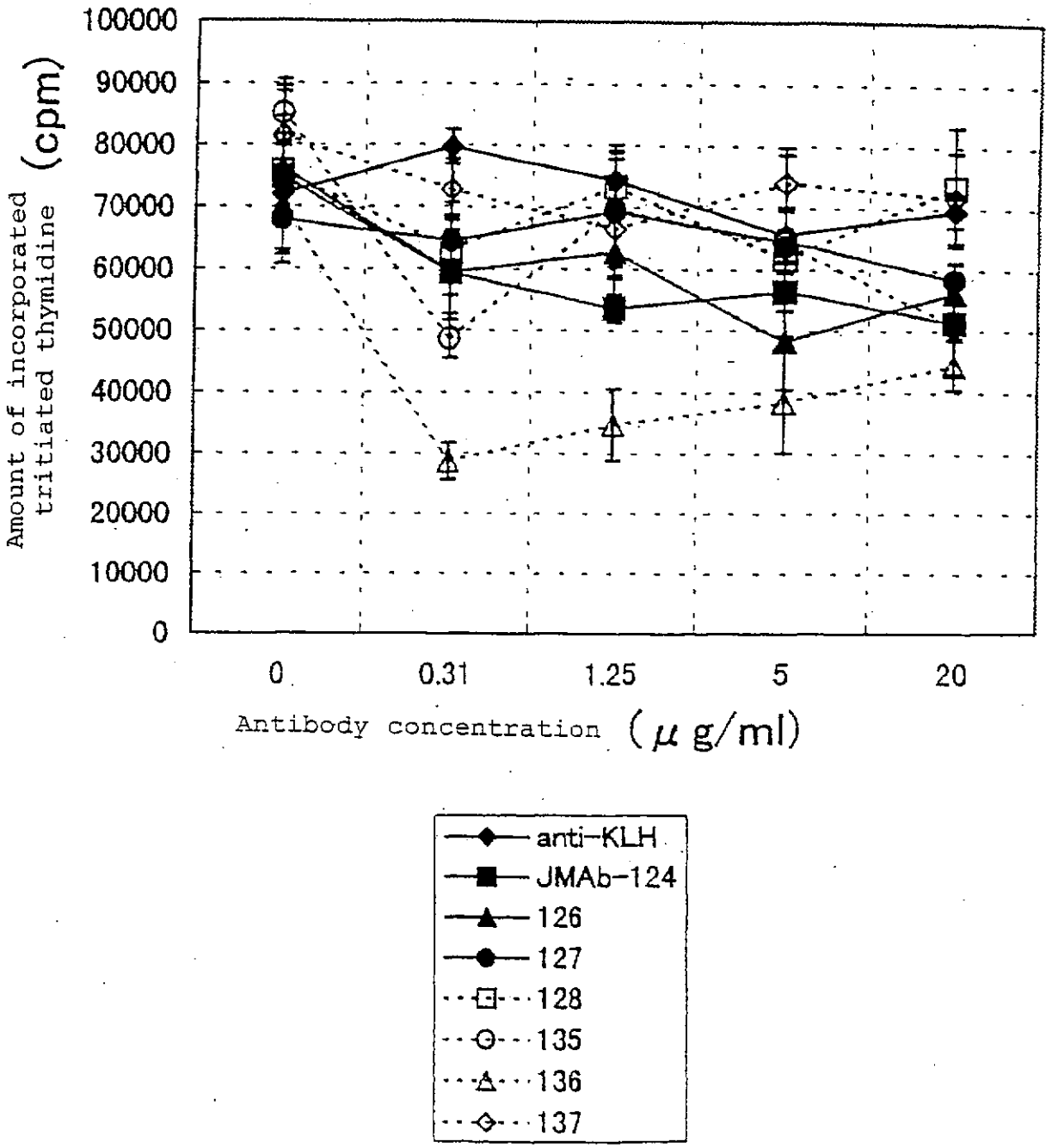

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 54

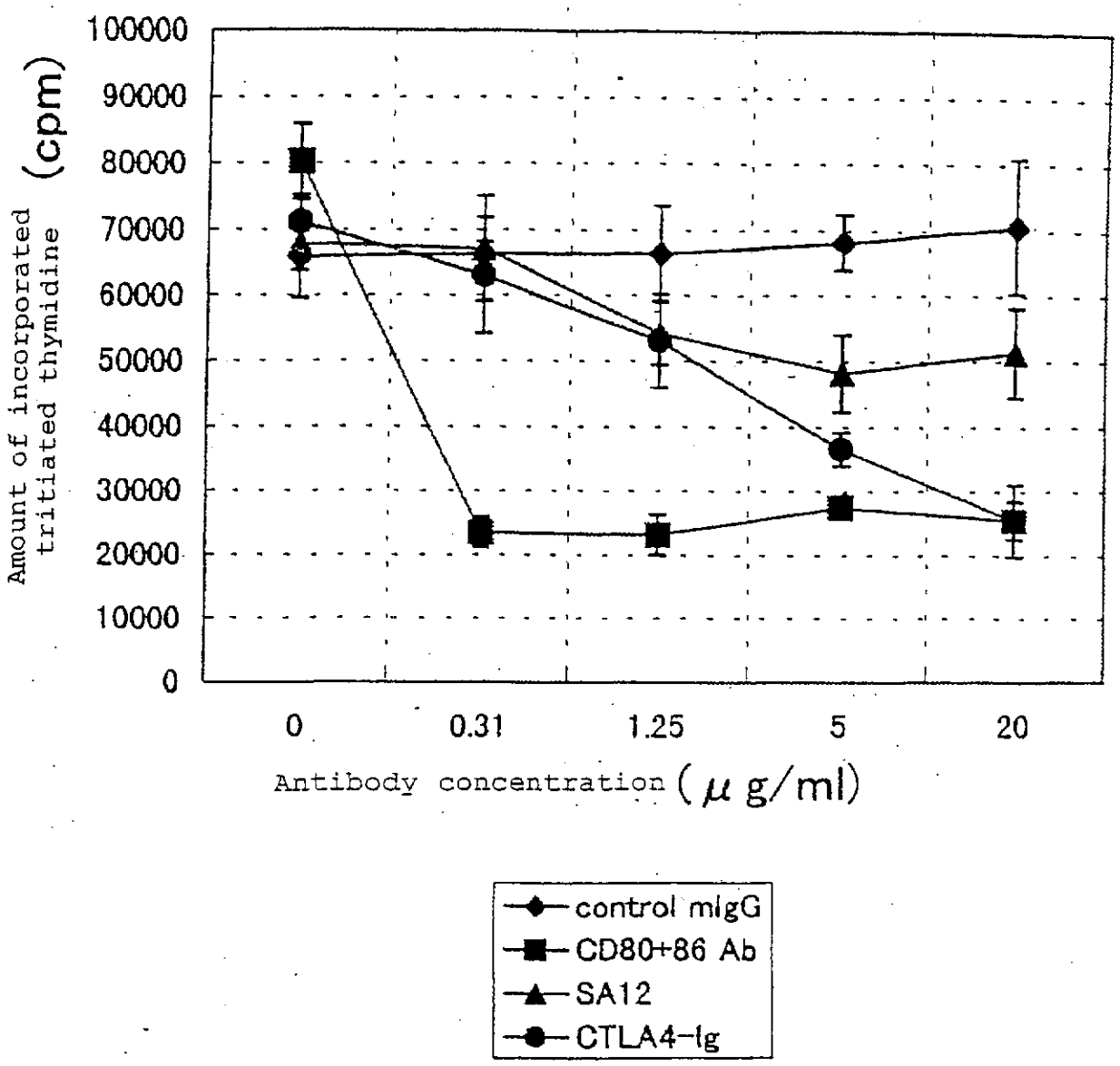

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 55

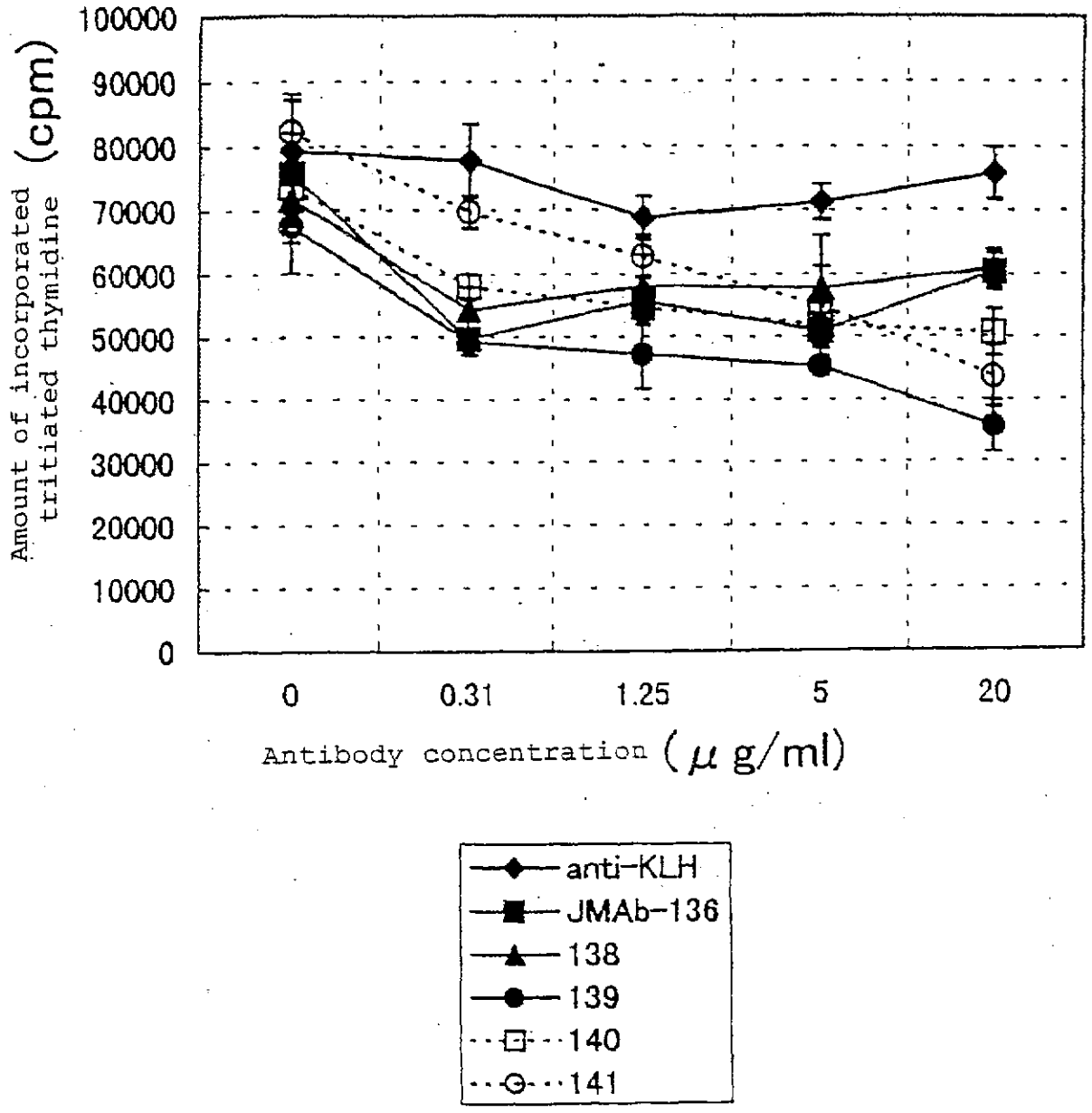

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 56

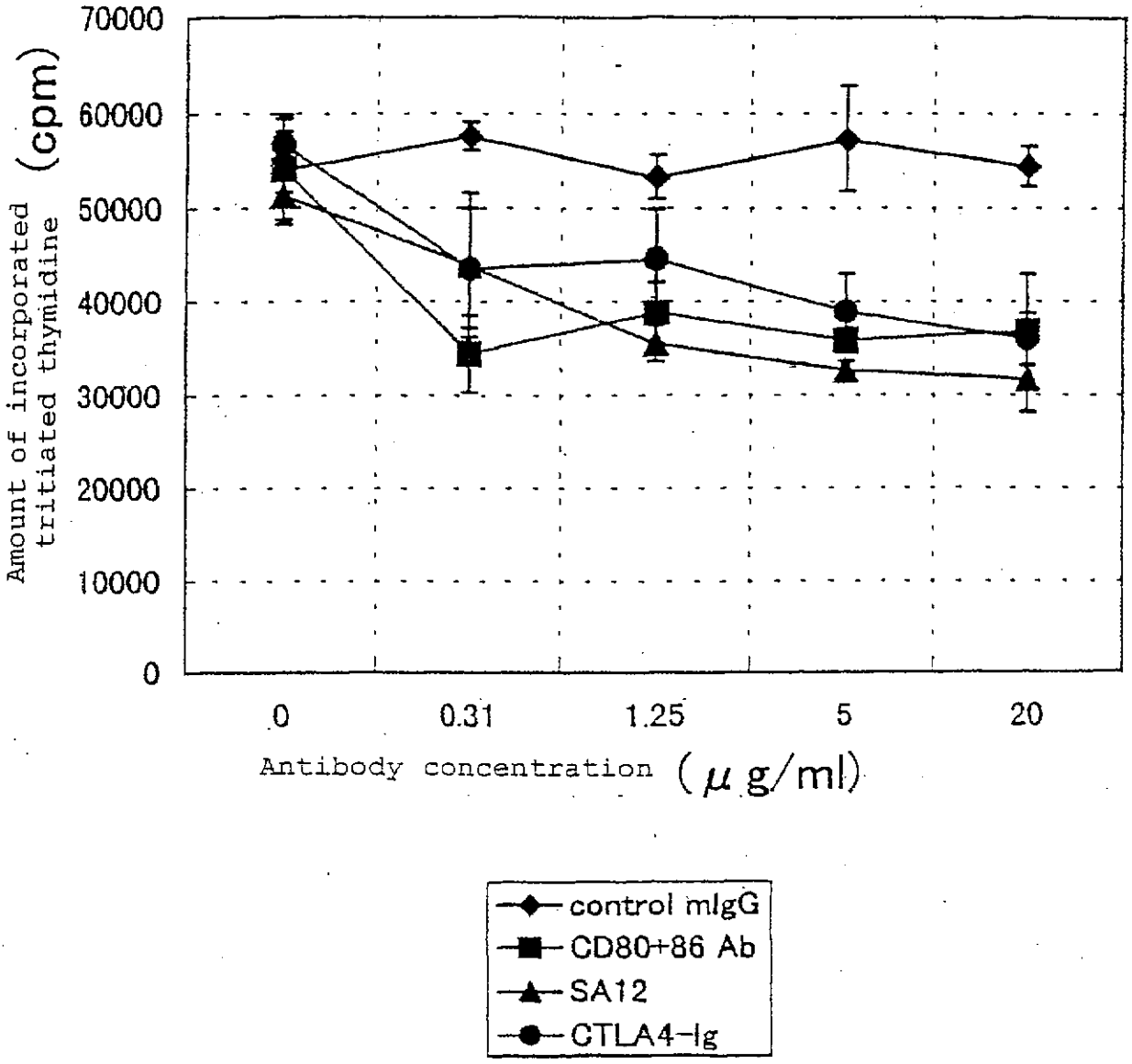

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 57

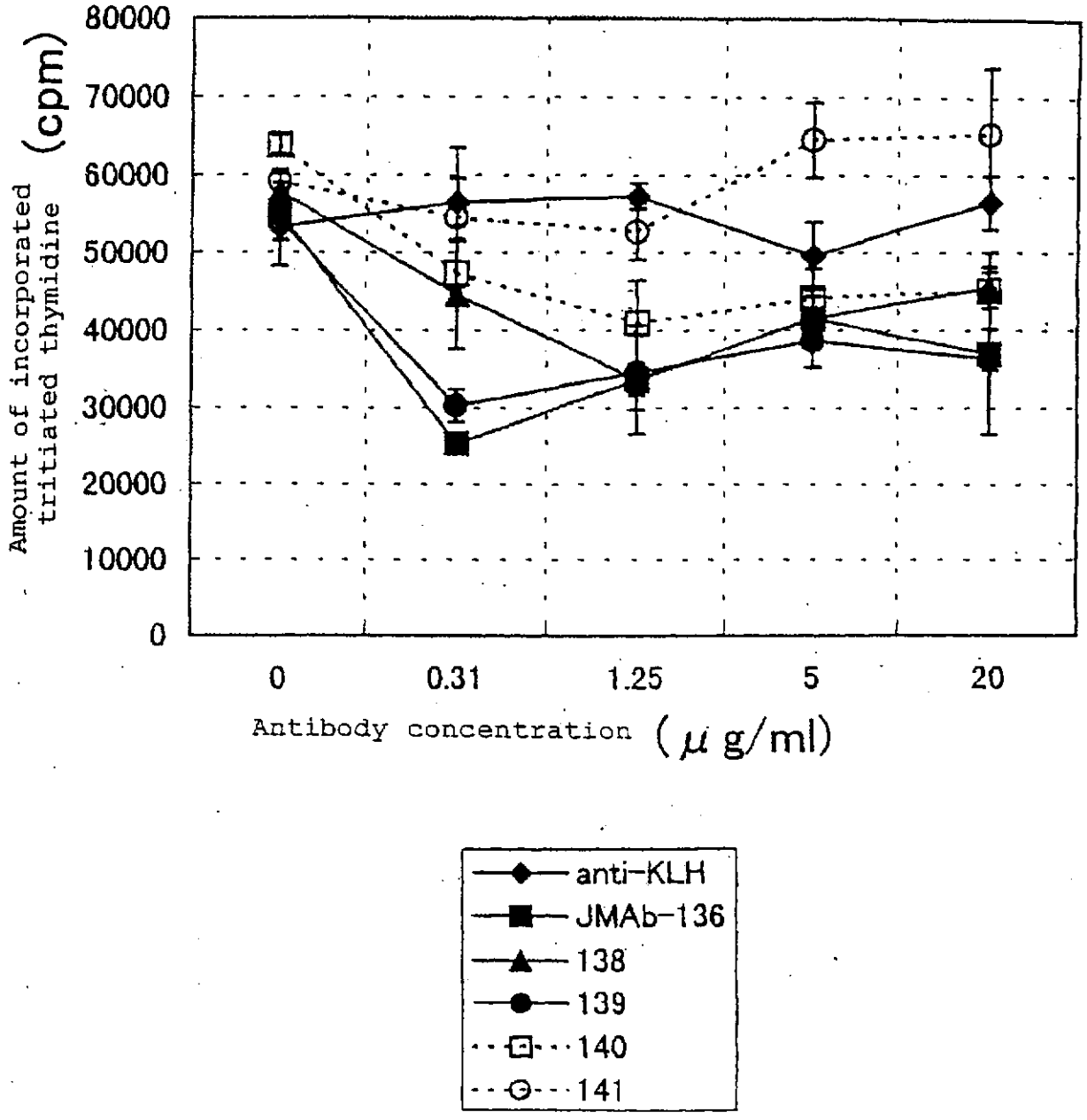

80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 58

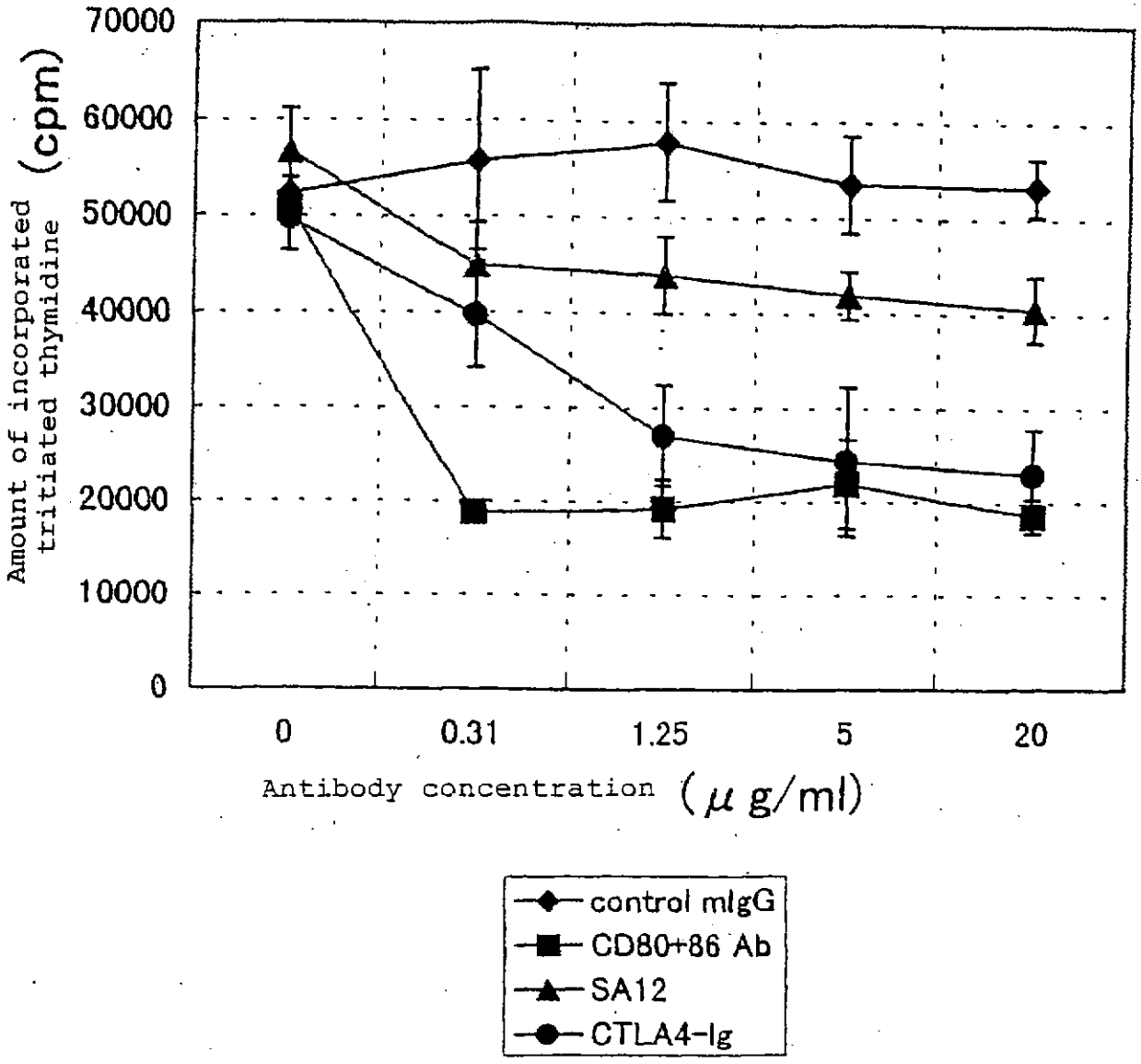

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12
CTLA4-Ig

Figure 59

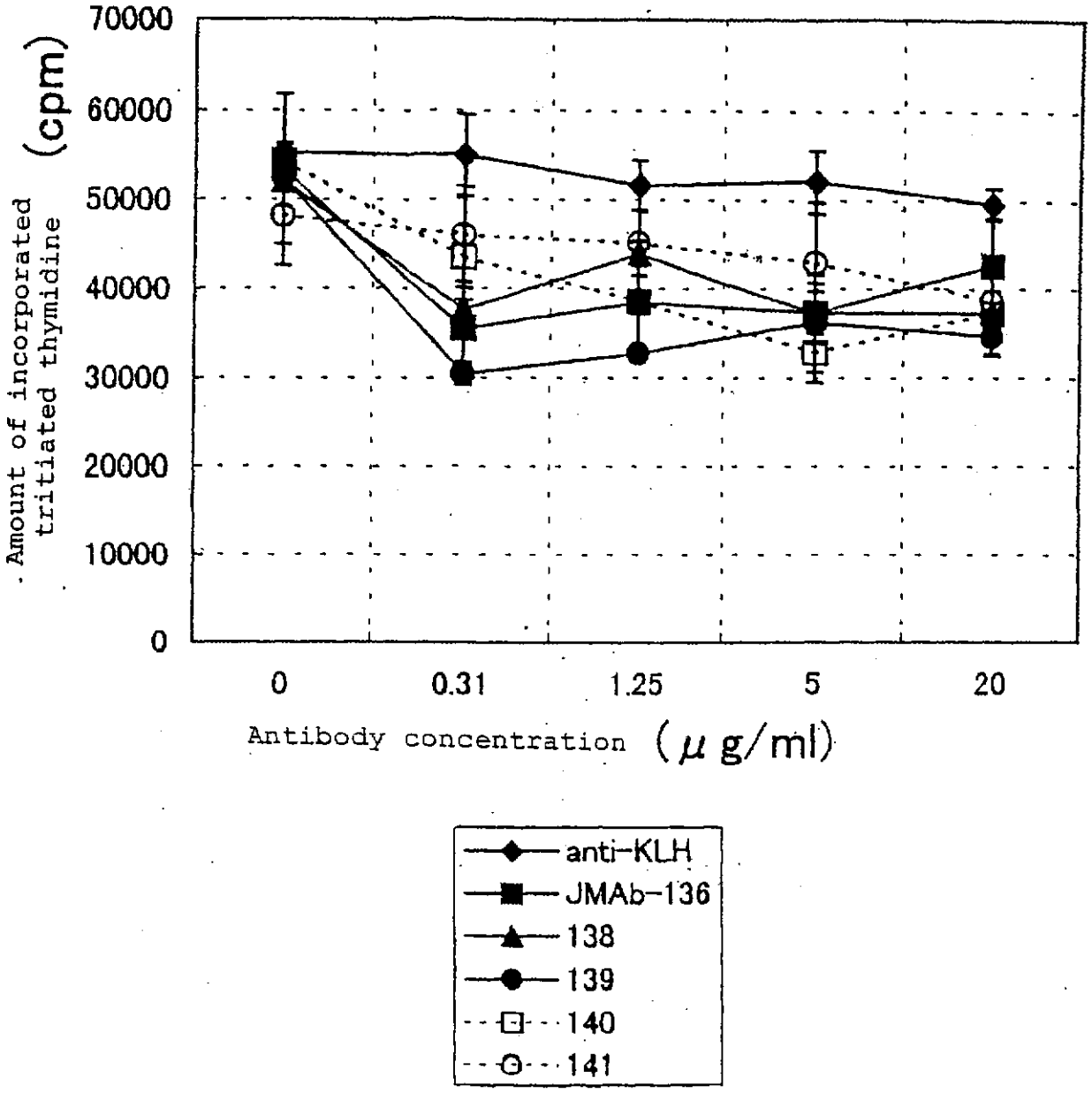

70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 60

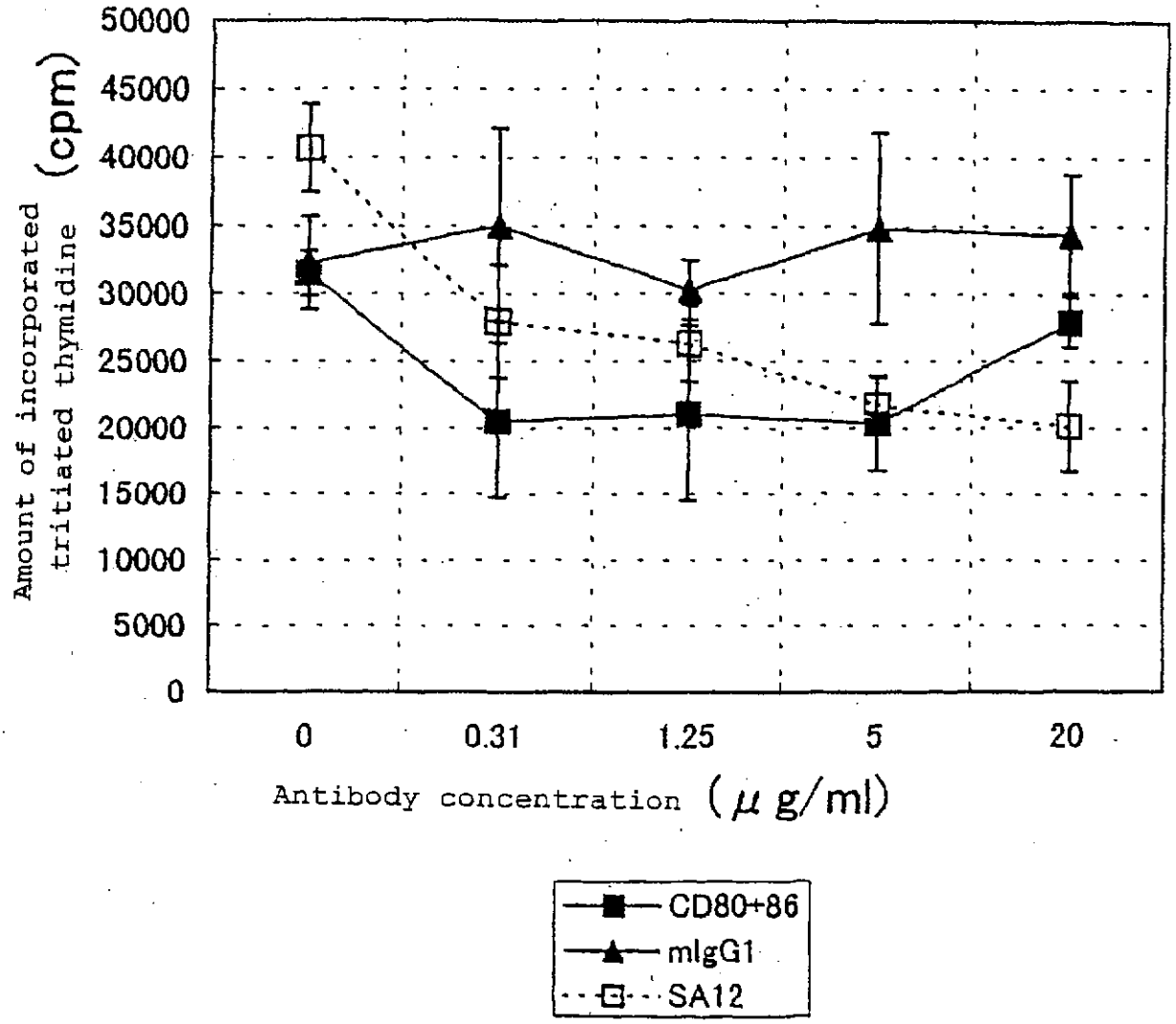

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 61

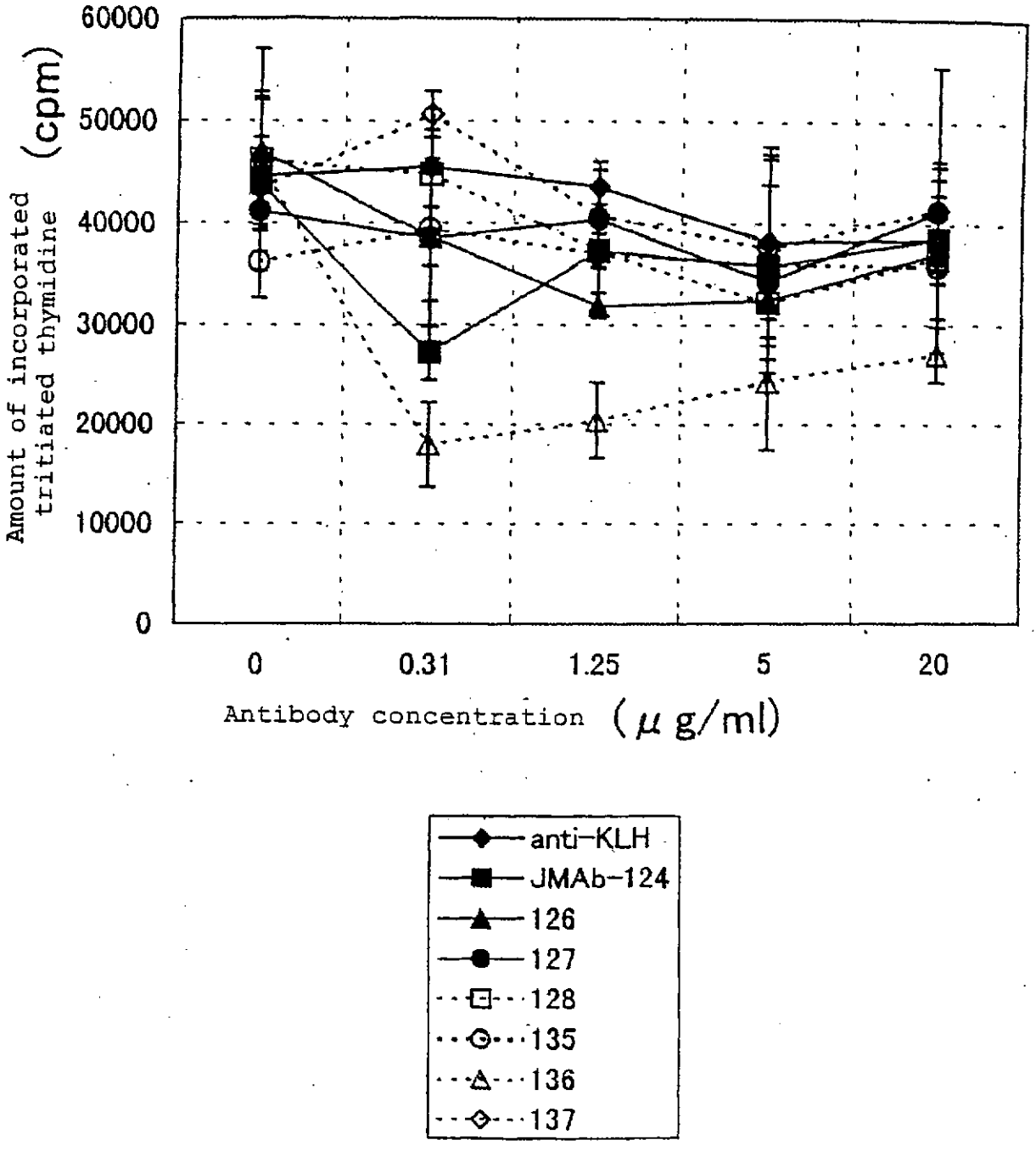

60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 62

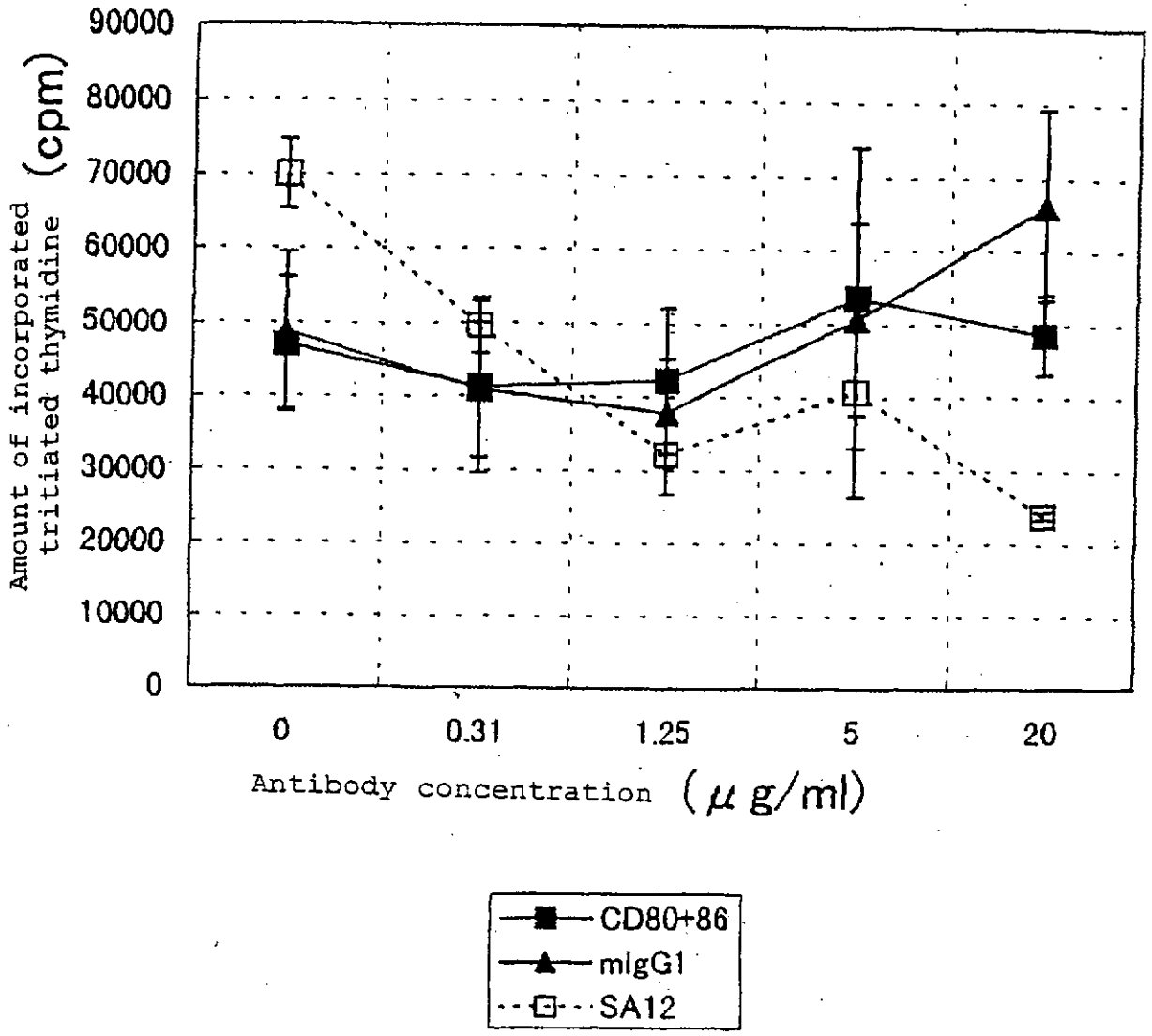

90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 63

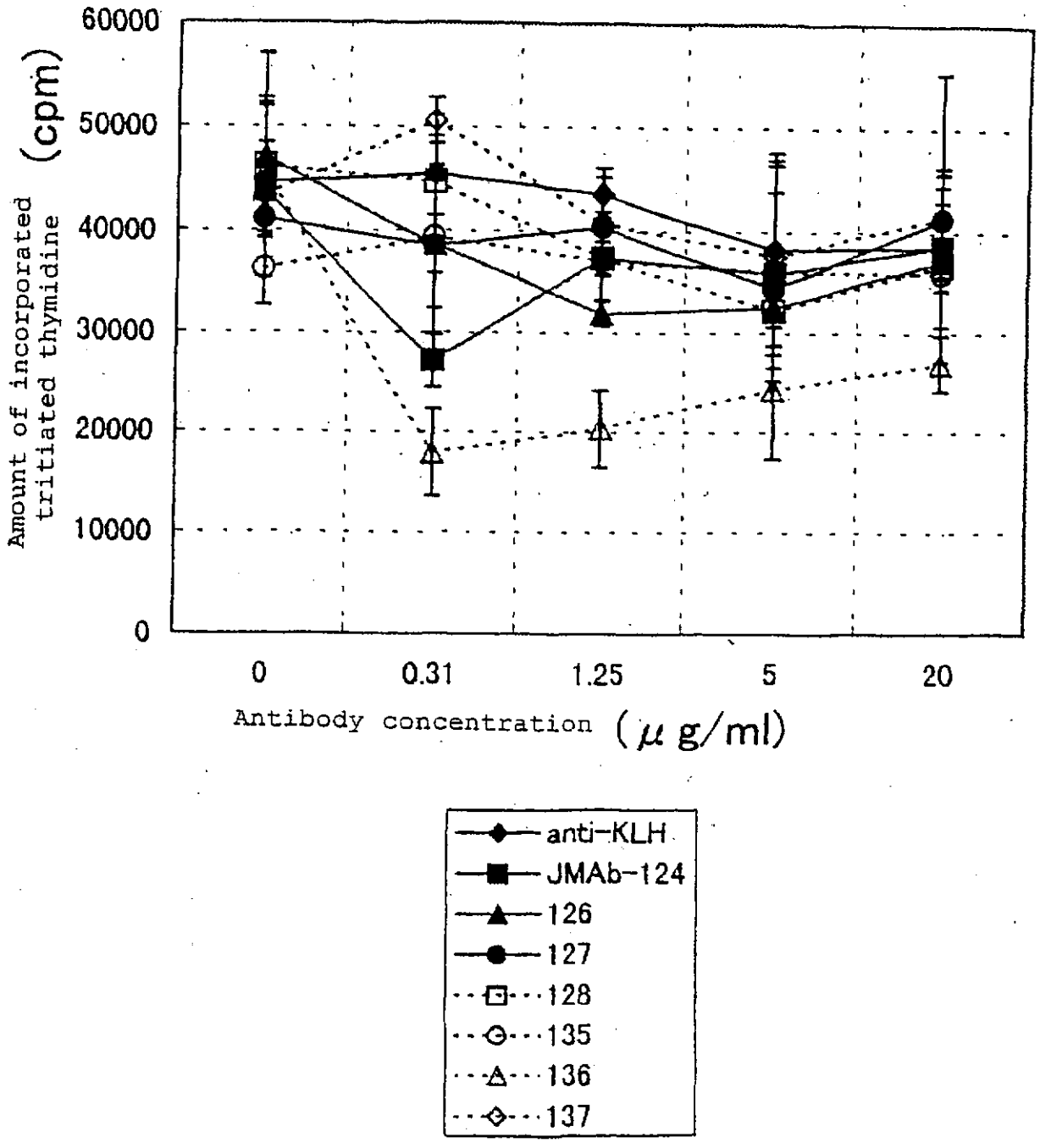

60000
50000
40000
30000
20000
10000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 64

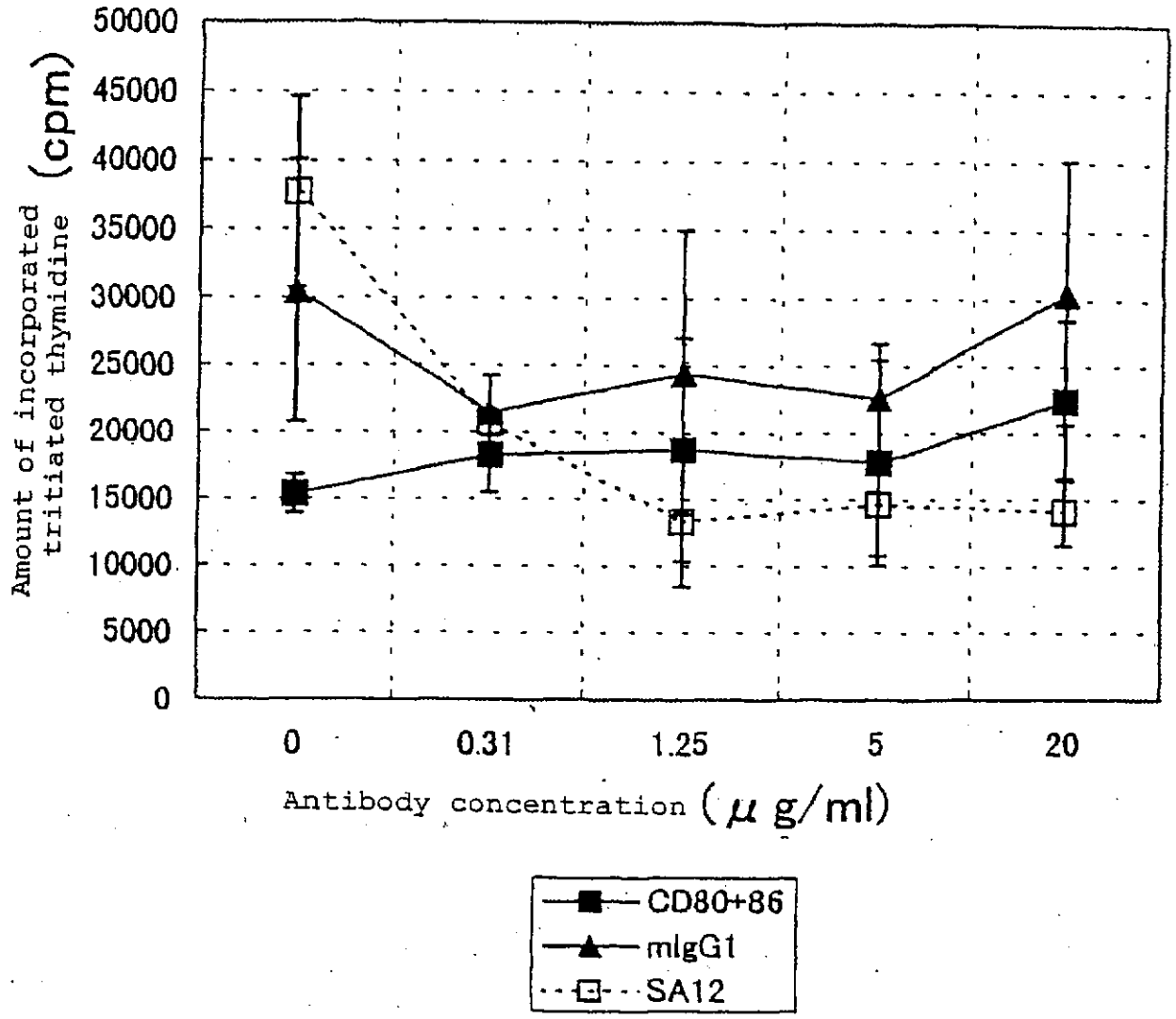

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
CD80+86
mIgG1
SA12

Figure 65

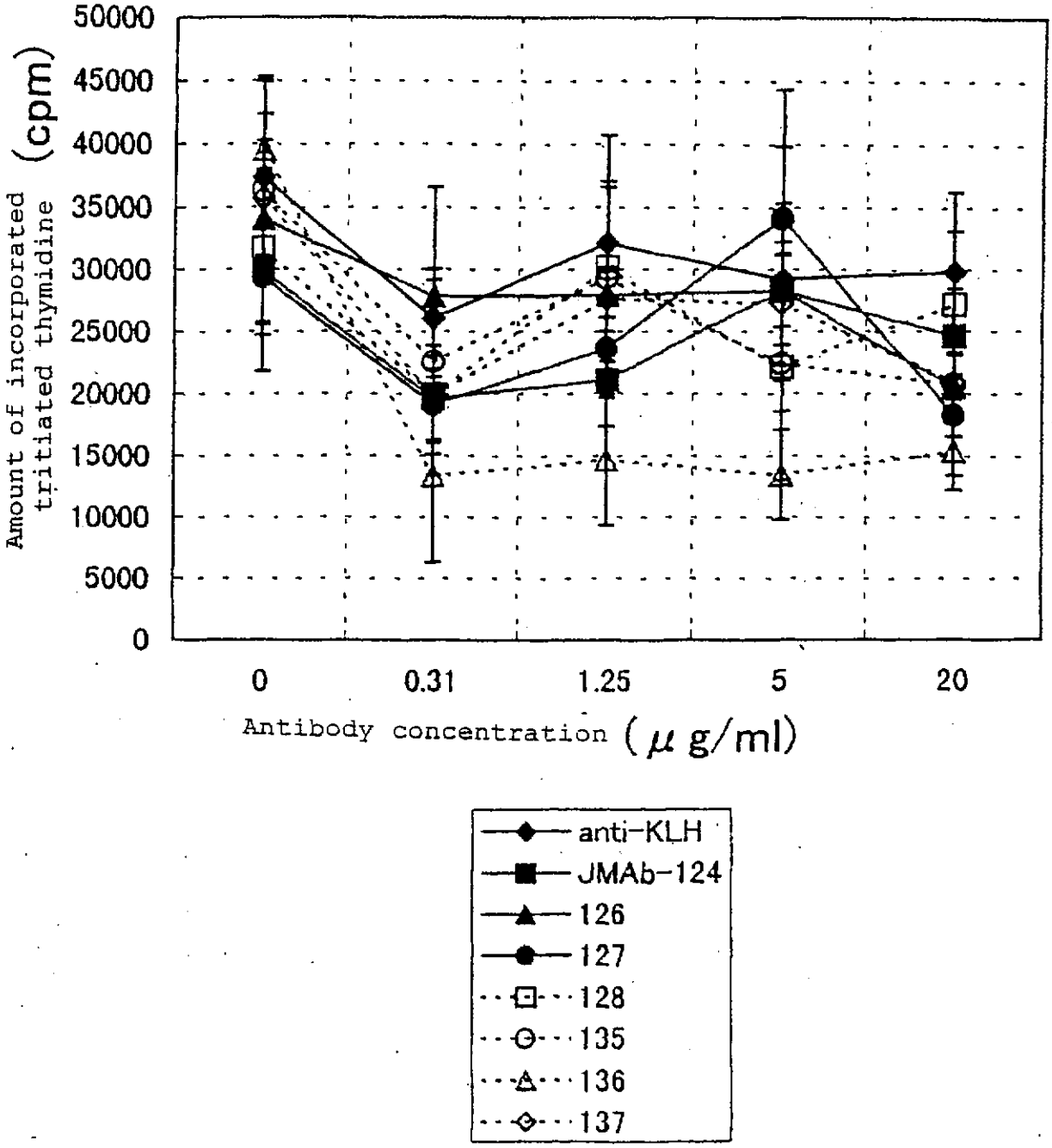

50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-124
126
127
128
135
136
137

Figure 66

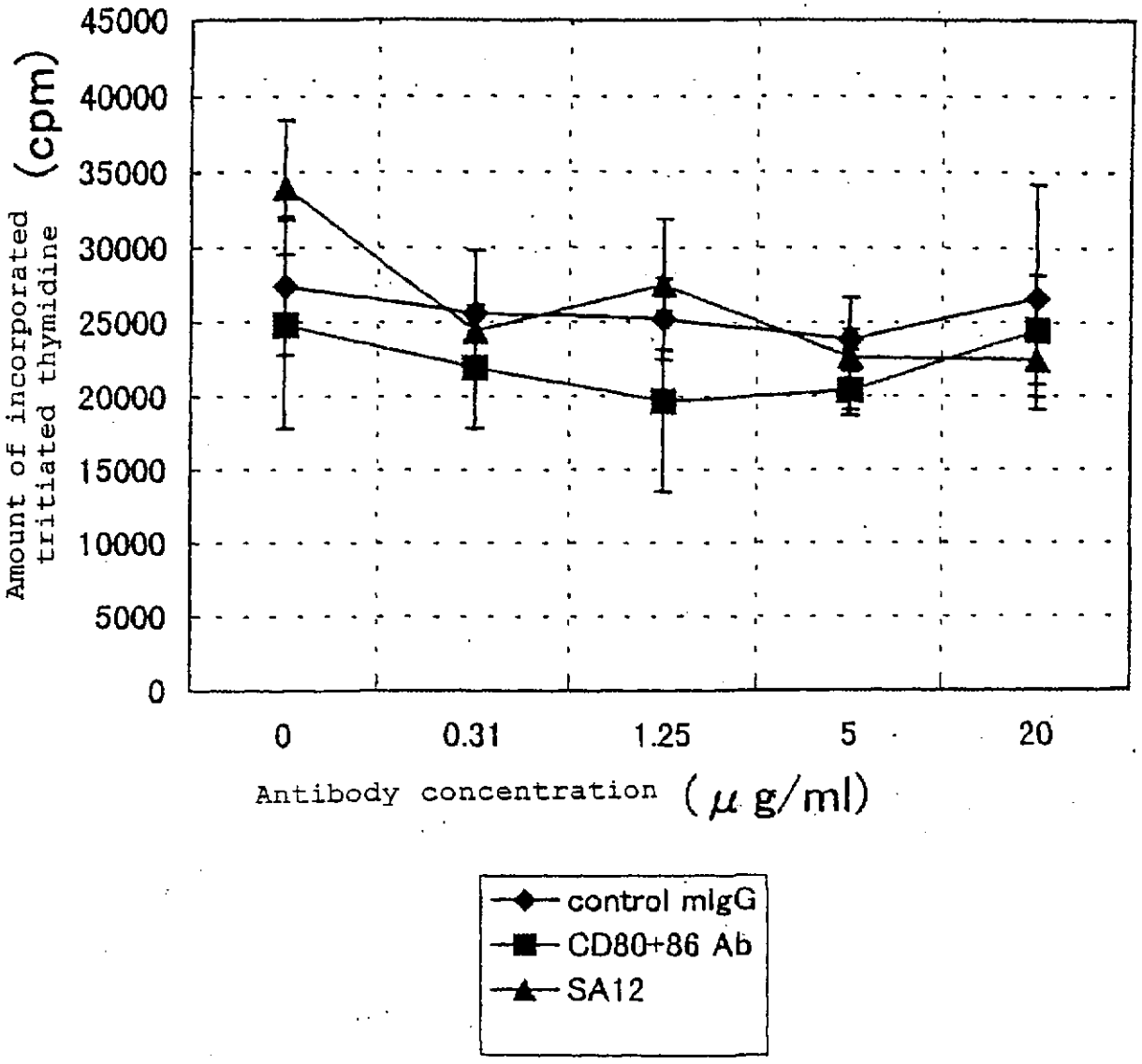

45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12

Figure 67

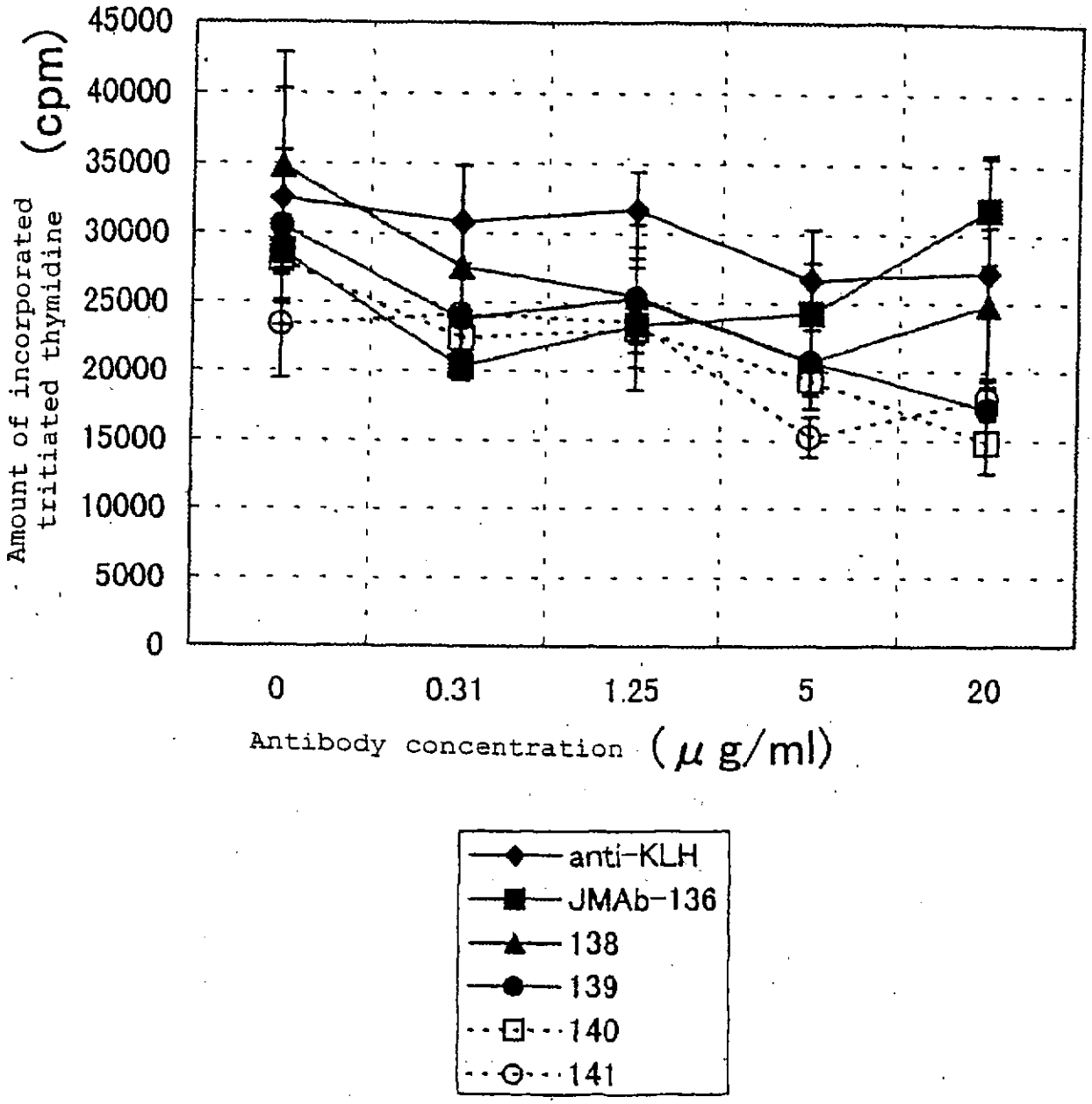

45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 68

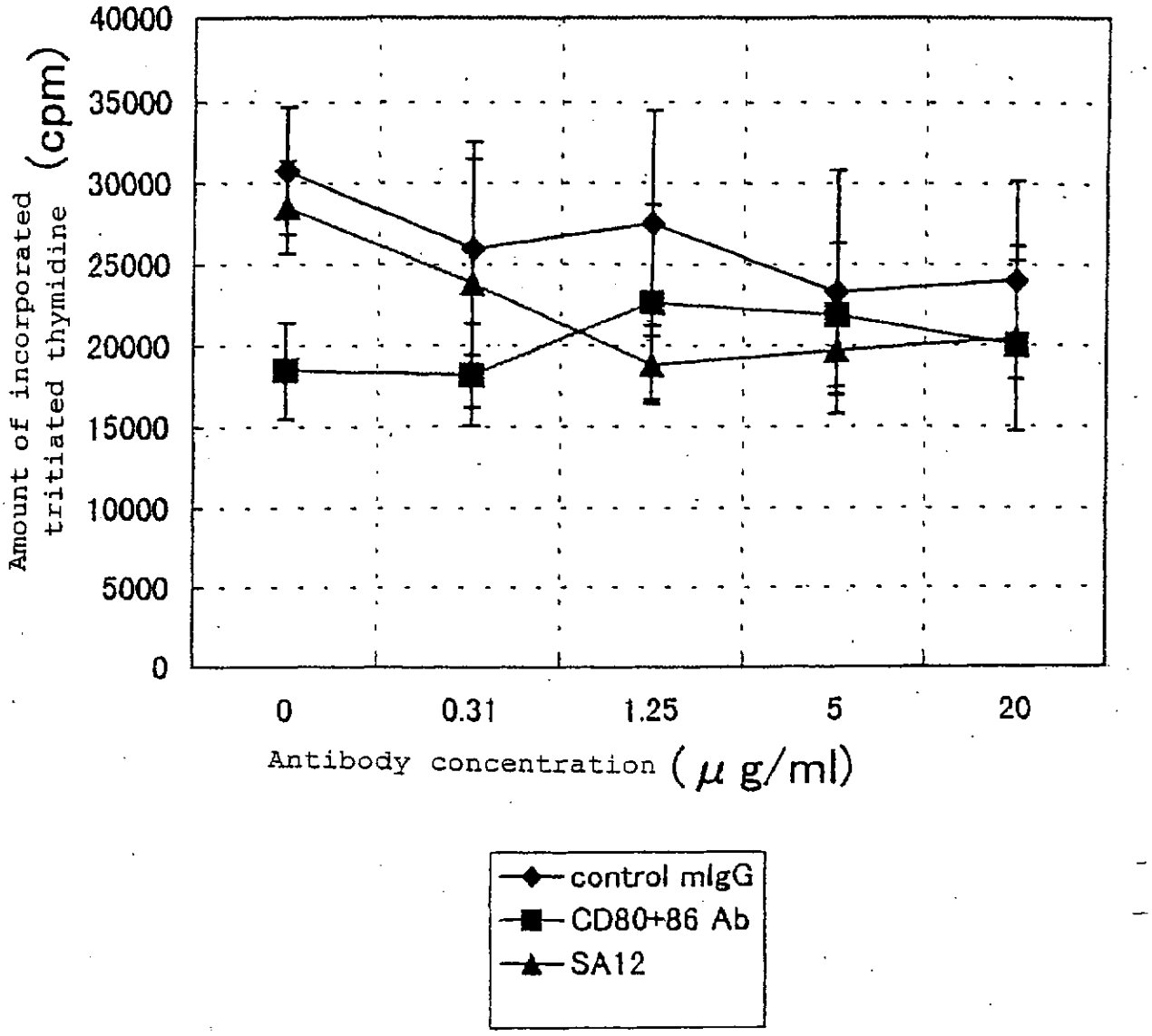

40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
control mIgG
CD80+86 Ab
SA12

Figure 69

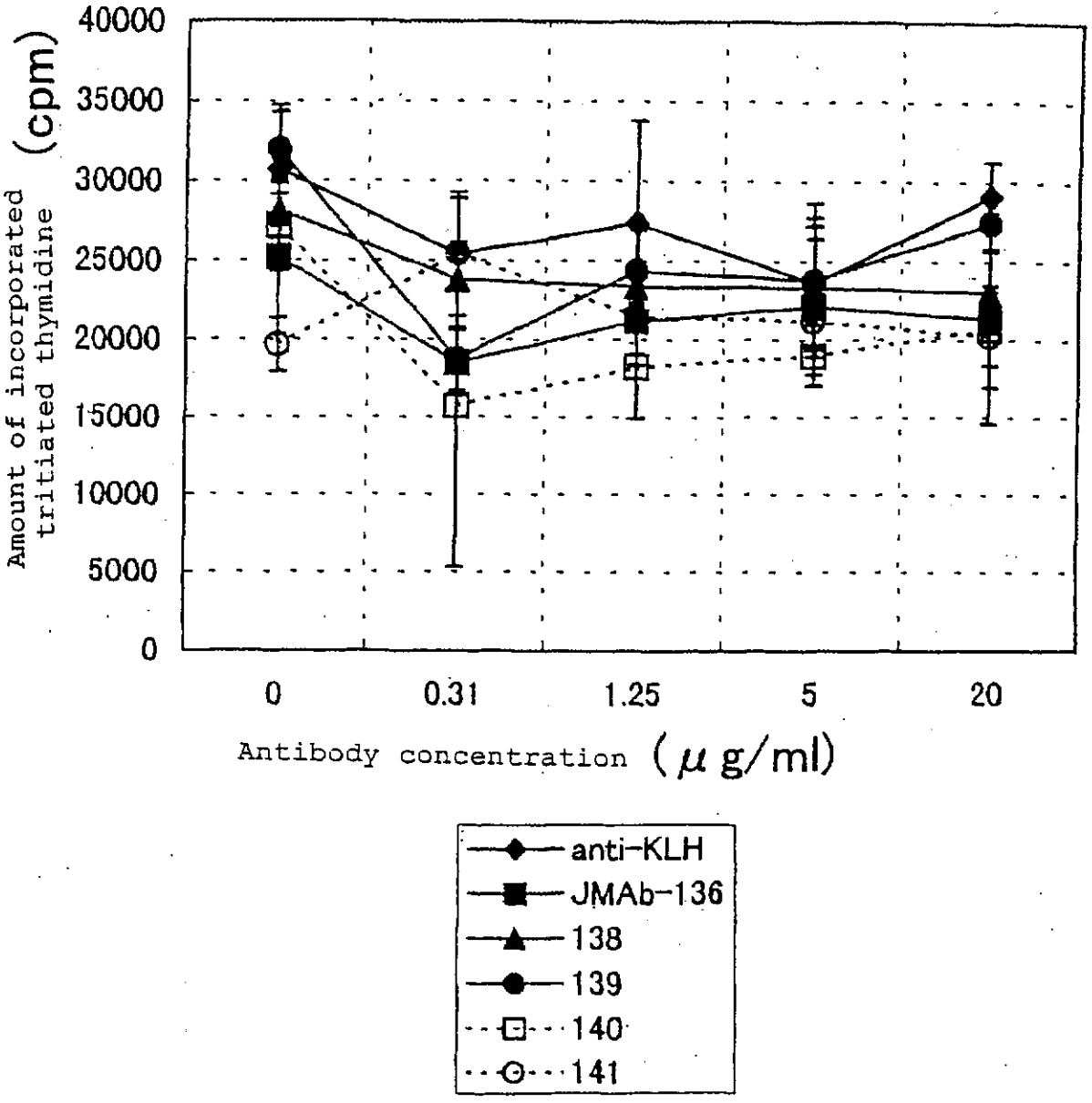

40000
35000
30000
25000
20000
15000
10000
5000
0
Amount of incorporated tritiated thymidine (cpm)
0
0.31
1.25
5
20
Antibody concentration (μg/ml)
anti-KLH
JMAb-136
138
139
140
141

Figure 70

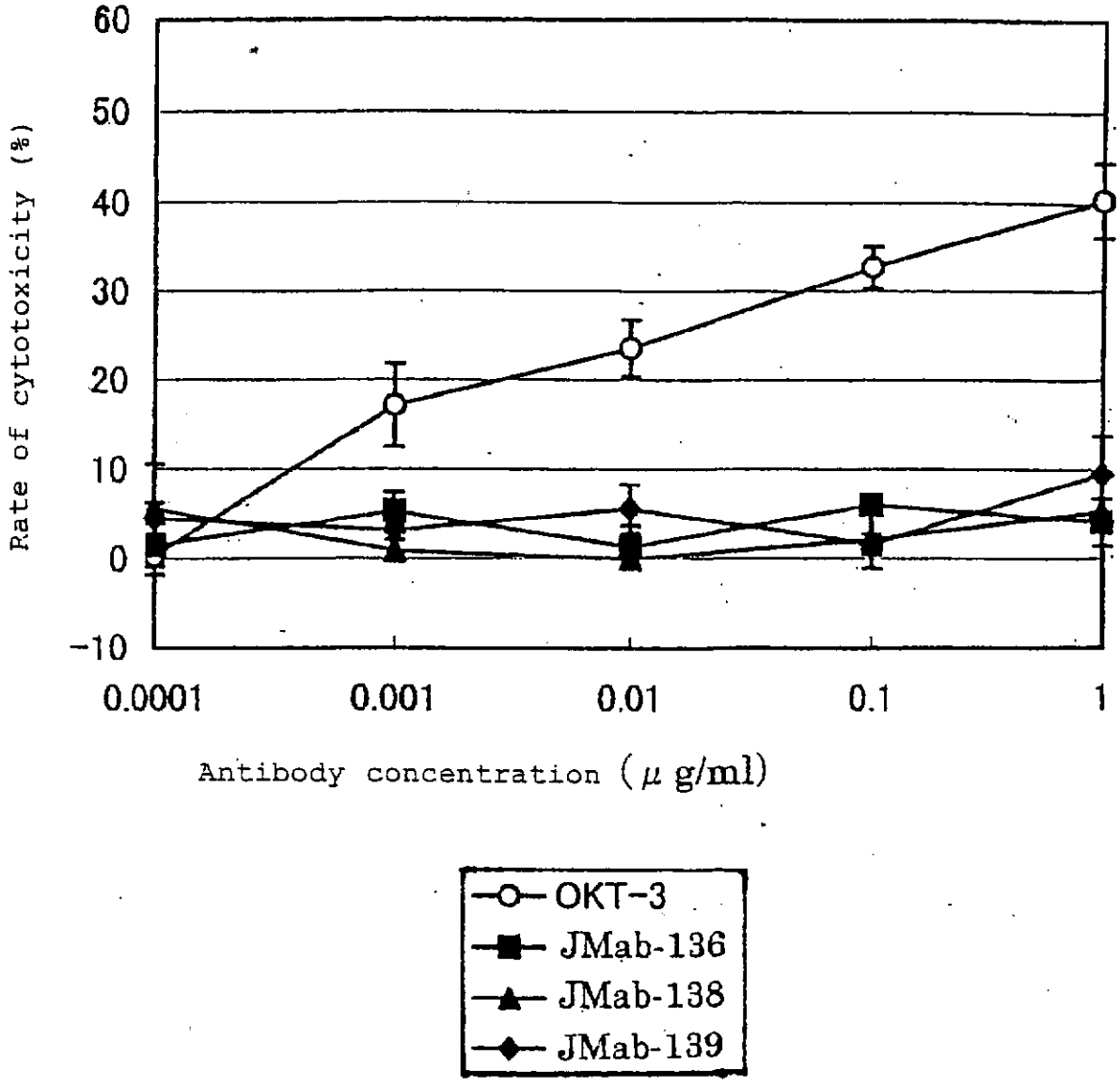

60
50
40
30
20
10
0
-10
Rate of cytotoxicity (%)
0.0001
0.001
0.01
0.1
1
Antibody concentration (μg/ml)
OKT-3
JMab-136
JMab-138
JMab-139

Figure 71

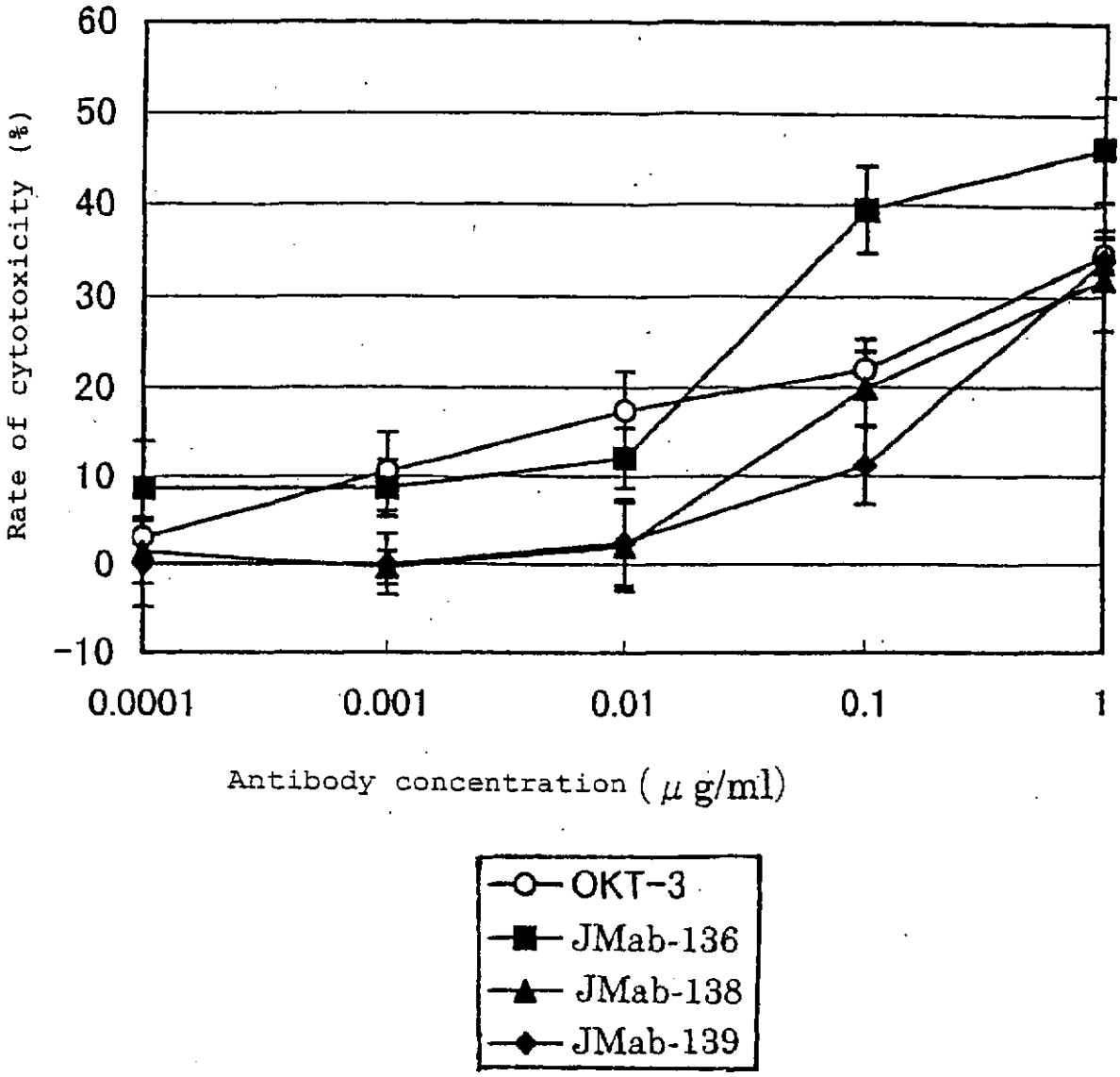

60
50
40
30
20
10
0
-10
Rate of cytotoxicity (%)
0.0001
0.001
0.01
0.1
1
Antibody concentration (μg/ml)
OKT-3
JMab-136
JMab-138
JMab-139

Figure 72

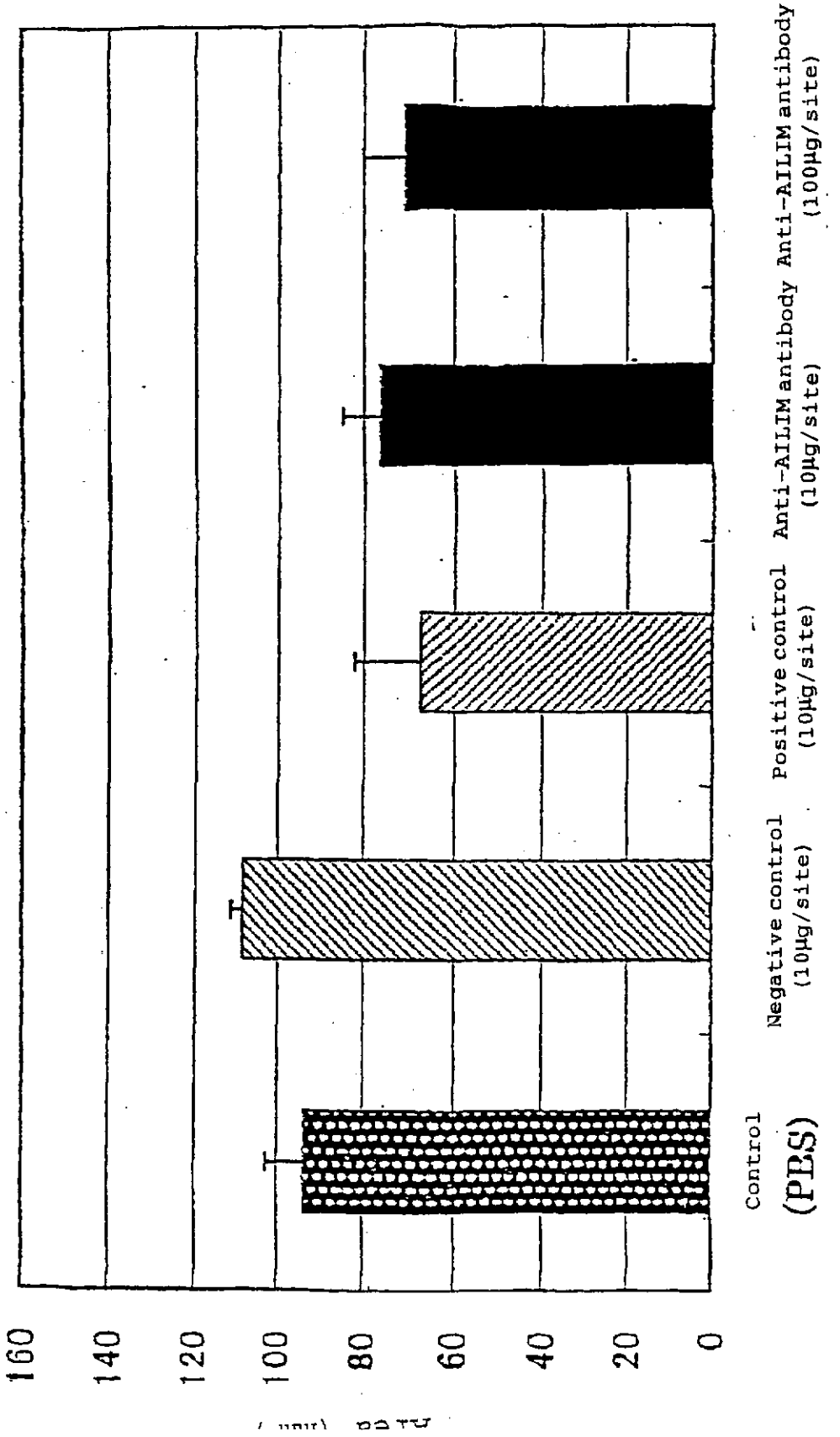

160
140
120
100
80
60
40
20
0
Control (PBS)
Negative control (10μg/site)
Positive control (10μg/site)
Anti-AILIM antibody (10μg/site)
Anti-AILIM antibody (100μg/site)

Figure 73

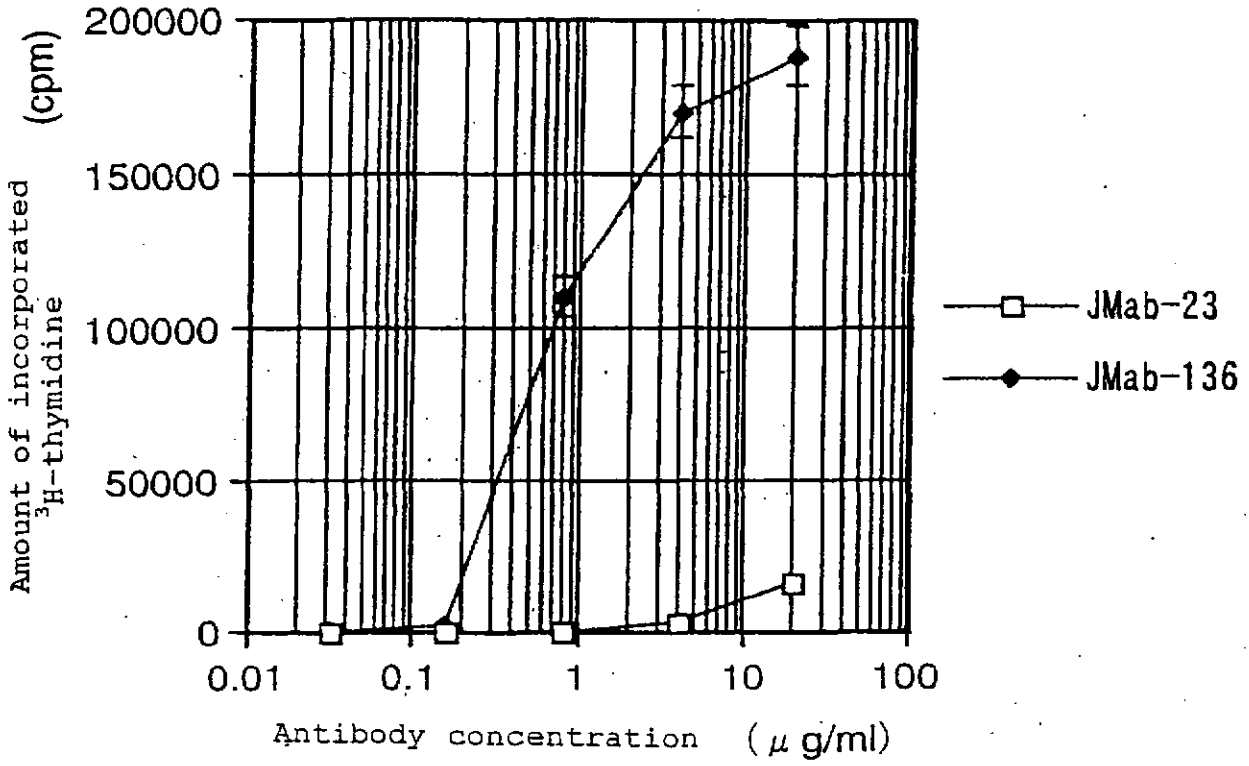
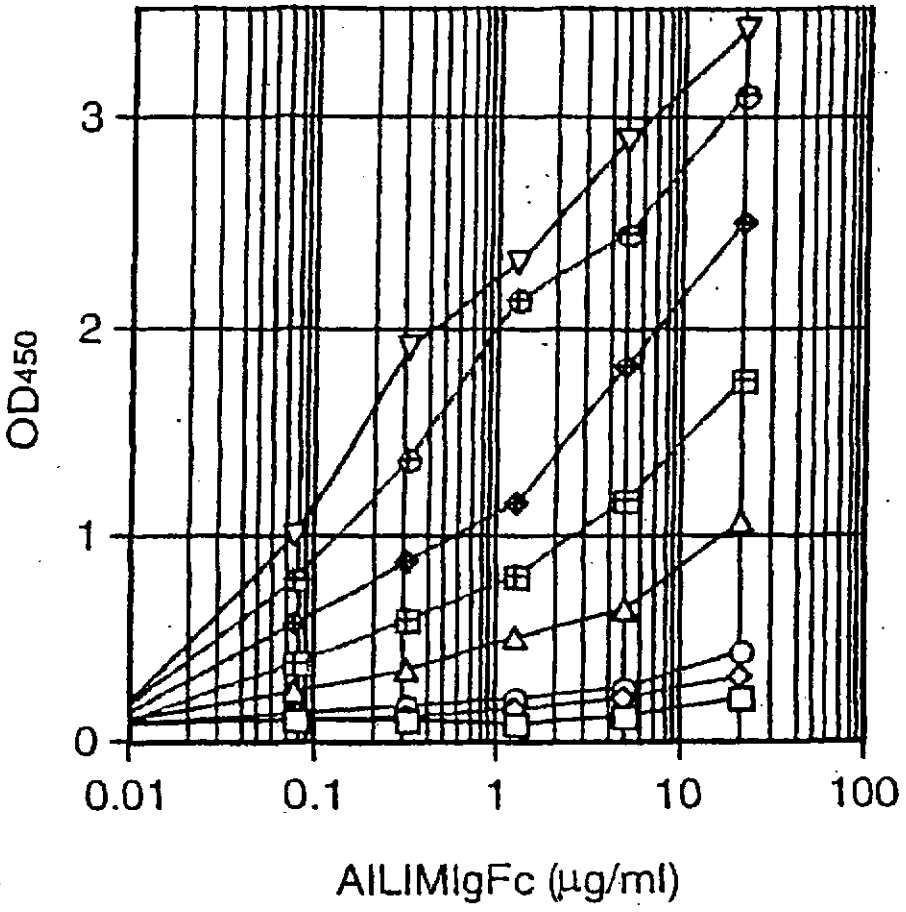

200000
150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Antibody concentration (μg/ml)
JMab-23
JMab-136

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

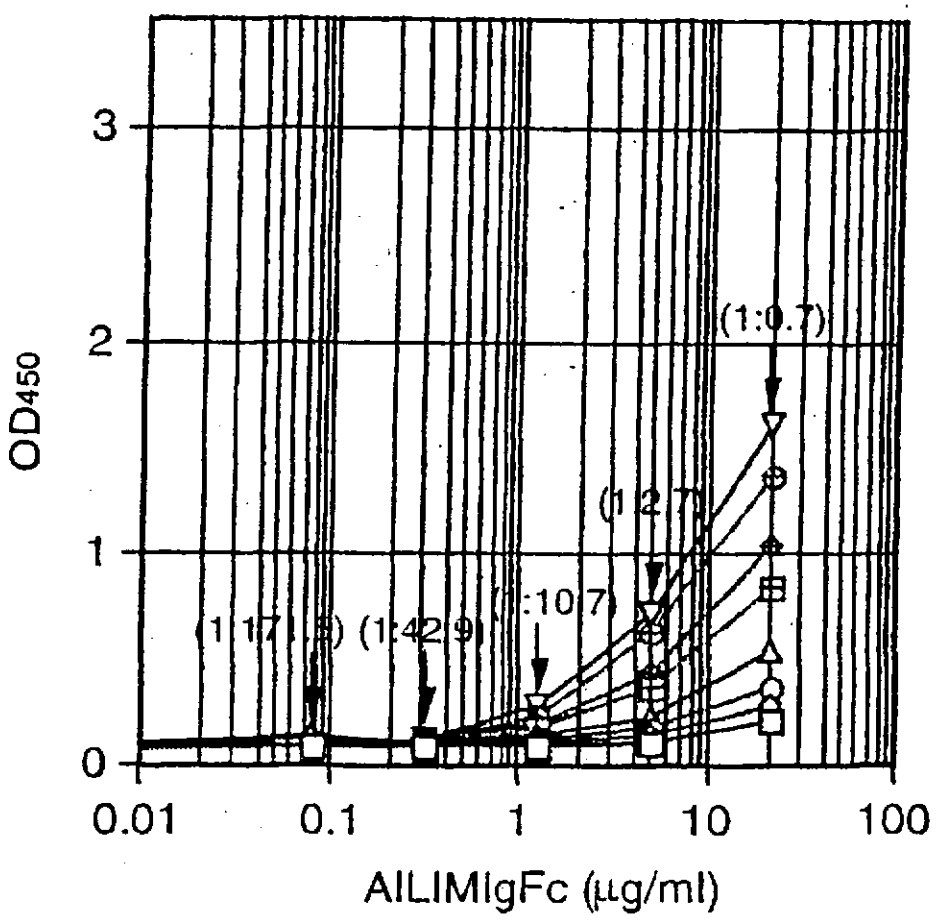

3
2
1
0
OD450
0.01
0.1
1
10
100
AILIMIgFc (μg/ml)
(1:0.7)
(1:2.7)
(1:10.7)
(1:42.9)
Coated amount of B7hIgFc
0 ng/well-B7hIgFc
25 ng/well -B7hIgFc
50 ng/well -B7hIgFc
100 ng/well -B7hIgFc
200 ng/well-B7hIgFc
400 ng/well -B7hIgFc
800 ng/well-B7hIgFc
1600 ng/well-B7hIgFc

Figure 76

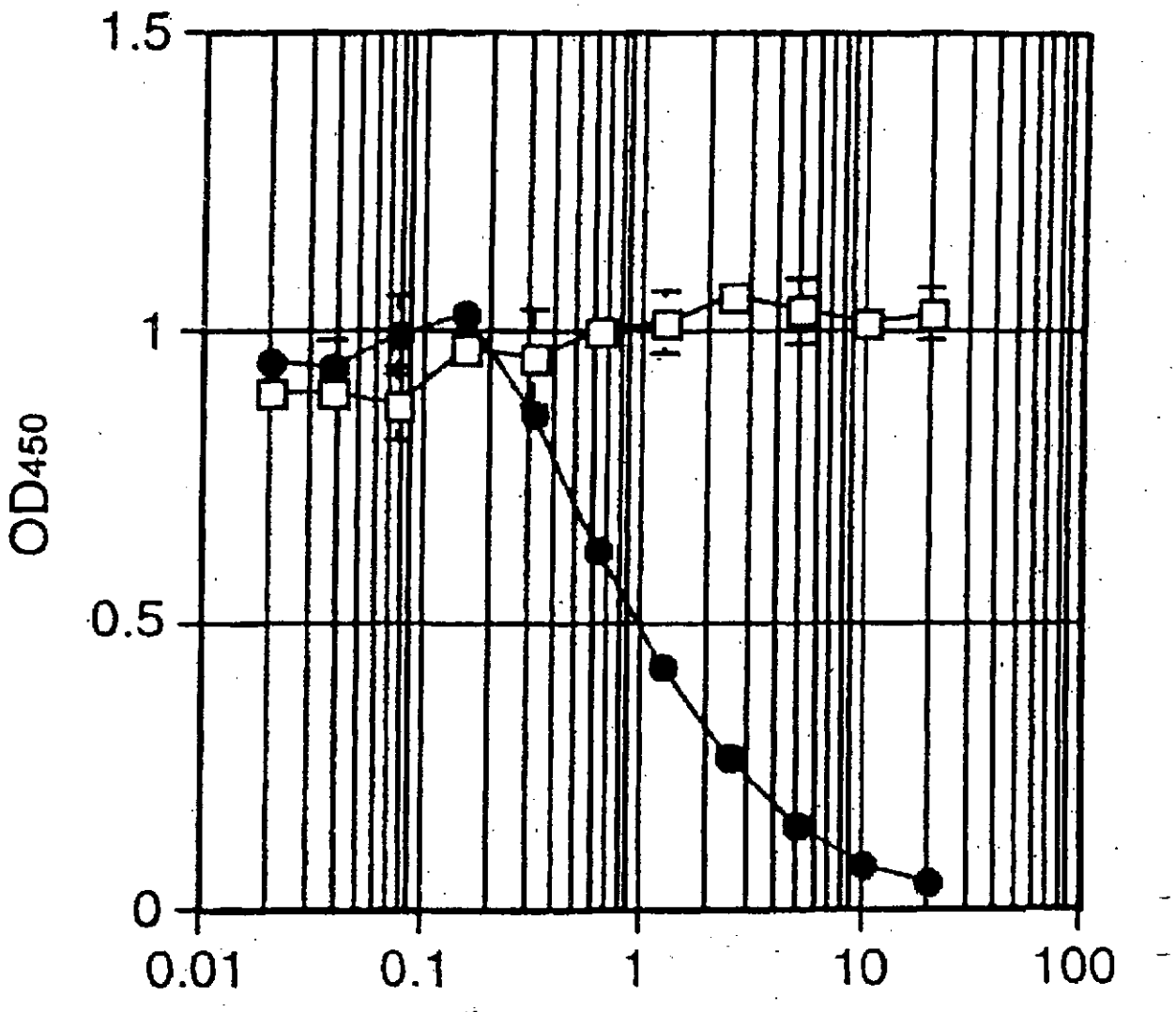


Figure 77

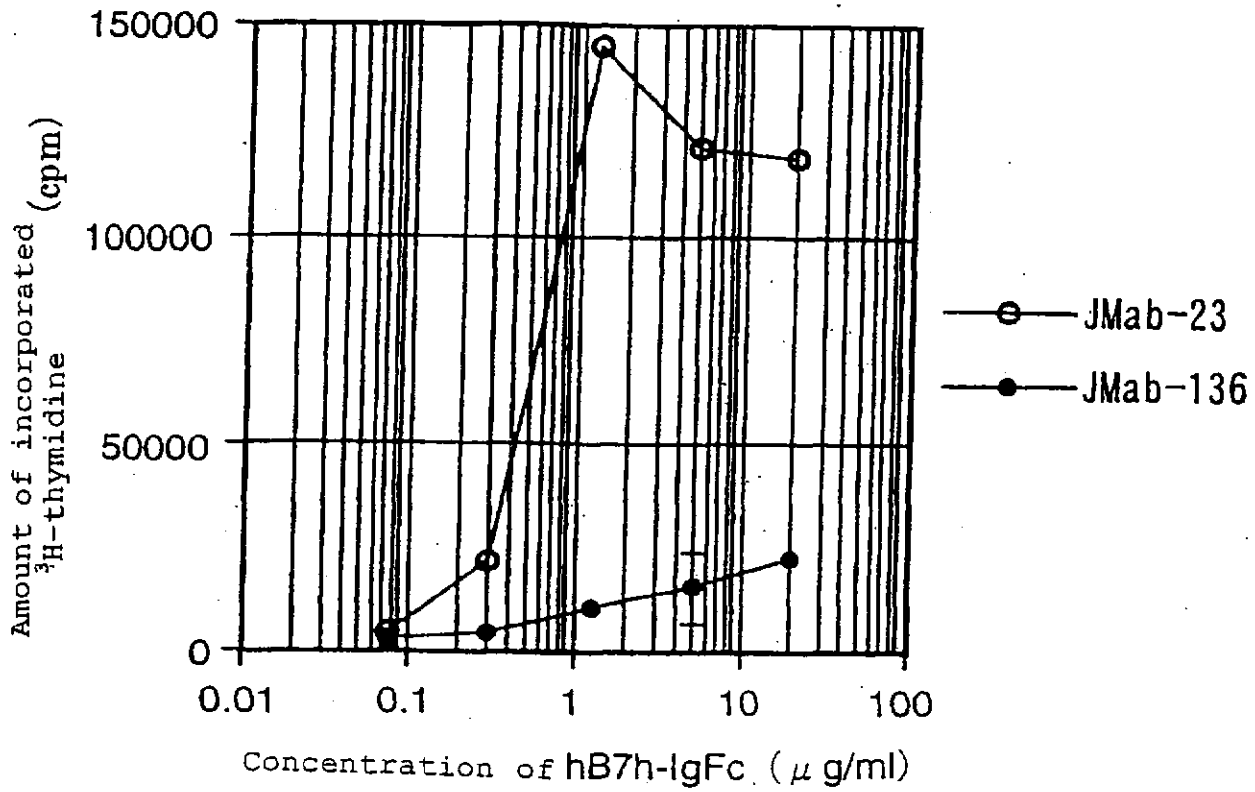
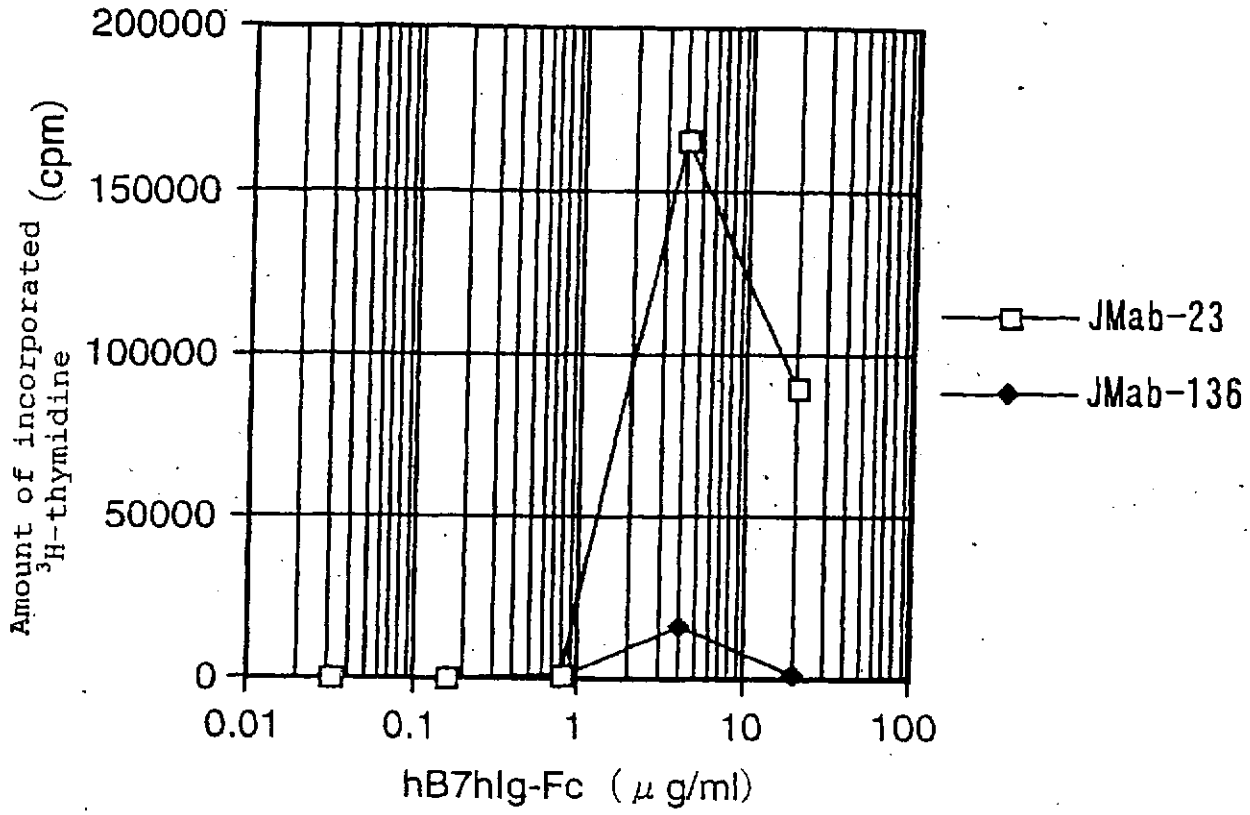

150000
100000
50000
0
0.01
0.1
1
10
100
Amount of incorporated ^{3}H-thymidine (cpm)
Concentration of hB7h-IgFc (μg/ml)
JMab-23
JMab-136

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