Fig. 1

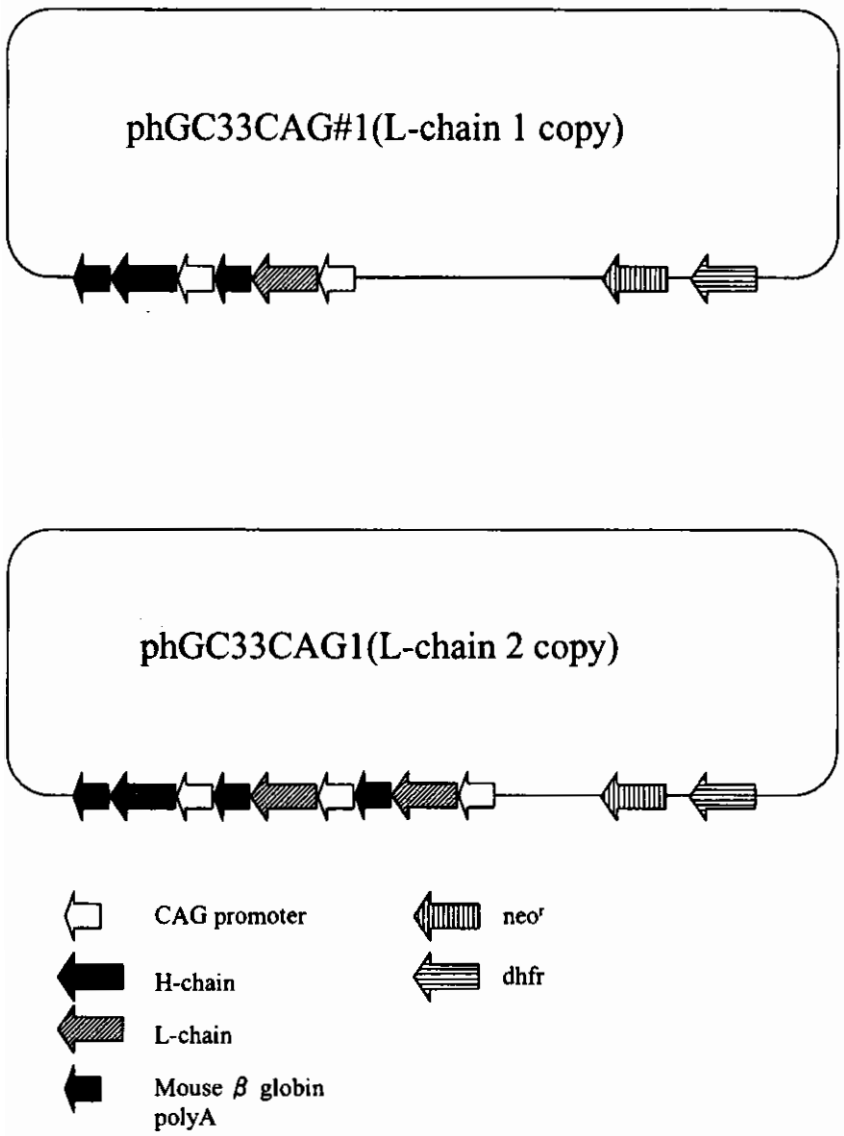
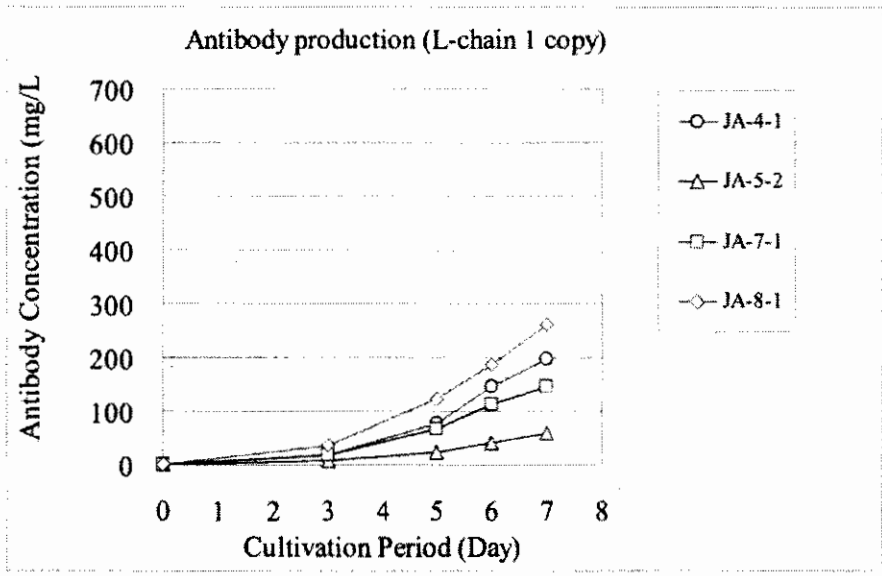

phGC33CAG#1(L-chain 1 copy)
phGC33CAG1(L-chain 2 copy)
CAG promoter
H-chain
L-chain
Mouse β globin polyA
neor
dhfr

Fig. 2


Antibody production (L-chain 1 copy)
Antibody Concentration (mg/L
700
600
500
400
300
200
100
0
0 1 2 3 4 5 6 7 8
Cultivation Period (Day)
JA-4-1
JA-5-2
JA-7-1
JA-8-1

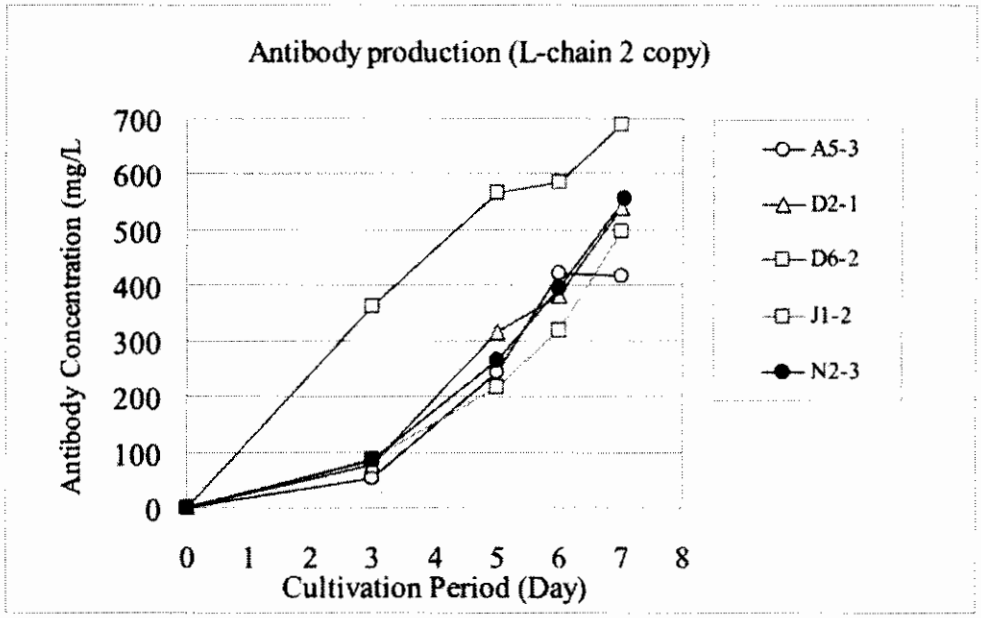

Antibody production (L-chain 2 copy)
Antibody Concentration (mg/L)
700
600
500
400
300
200
100
0
0 1 2 3 4 5 6 7 8
Cultivation Period (Day)
A5-3
D2-1
D6-2
J1-2
N2-3

Fig. 3

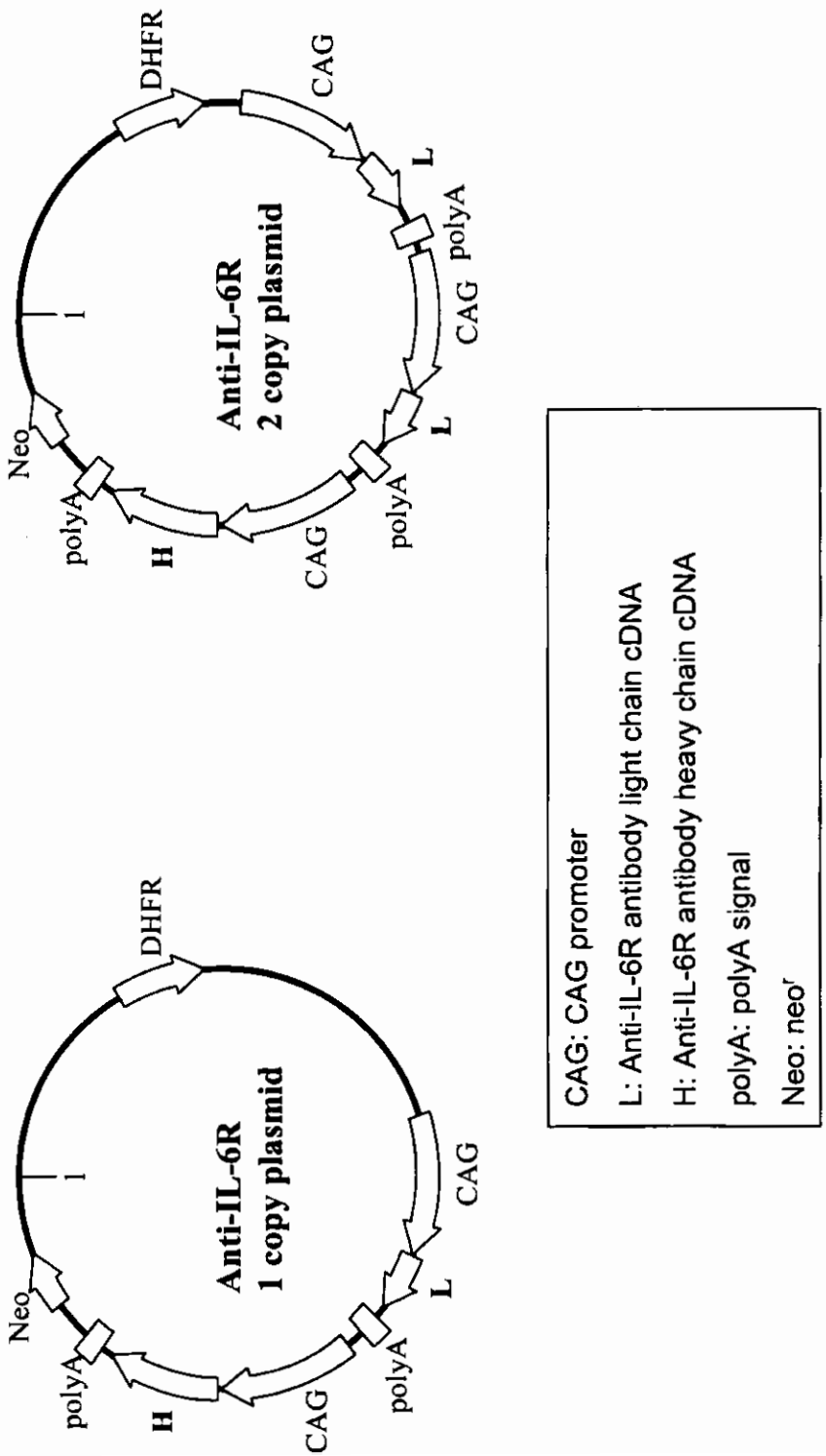
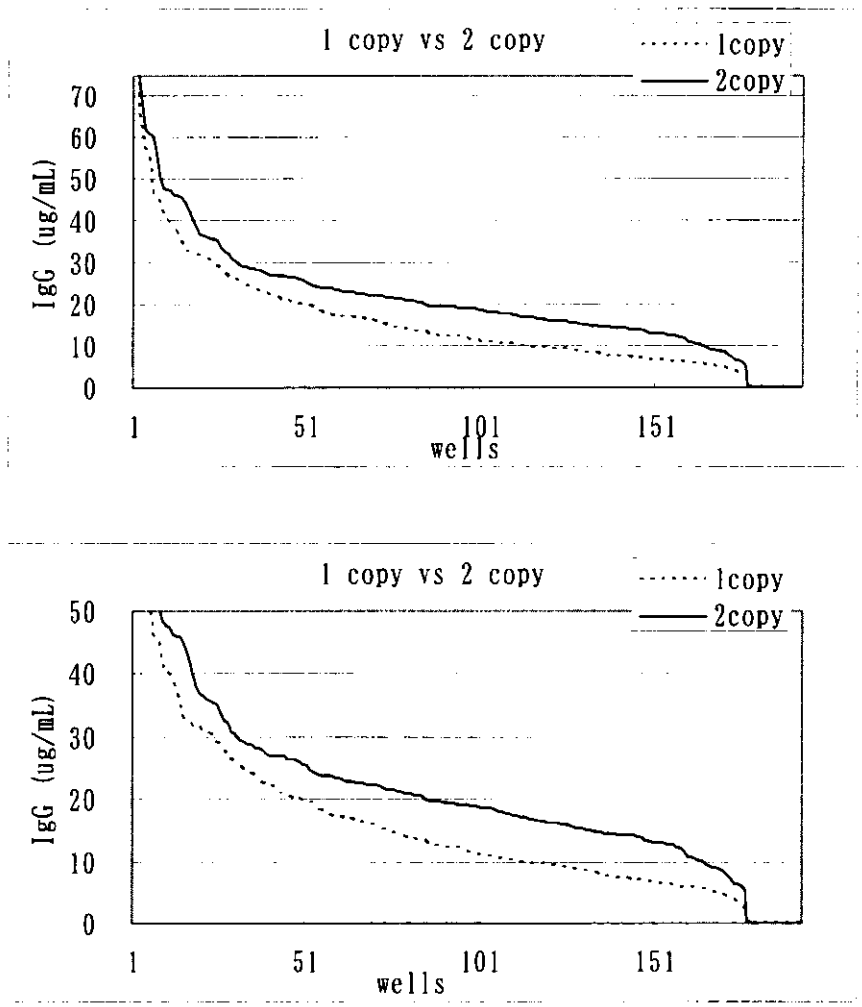

Anti-IL-6R
2 copy plasmid
DHFR
CAG
L
CAG
polyA
L
polyA
CAG
H
polyA
Neo
Anti-IL-6R
1 copy plasmid
DHFR
CAG
L
polyA
CAG
H
polyA
Neo
CAG: CAG promoter
L: Anti-IL-6R antibody light chain cDNA
H: Anti-IL-6R antibody heavy chain cDNA
polyA: polyA signal
Neo: neo^r

Fig. 4


1 copy vs 2 copy
1copy
2copy
IgG (ug/mL)
70
60
50
40
30
20
10
0
1
51
101
151
wells
1 copy vs 2 copy
1copy
2copy
IgG (ug/mL)
50
40
30
20
10
0
1
51
101
151
wells