Figure 1A

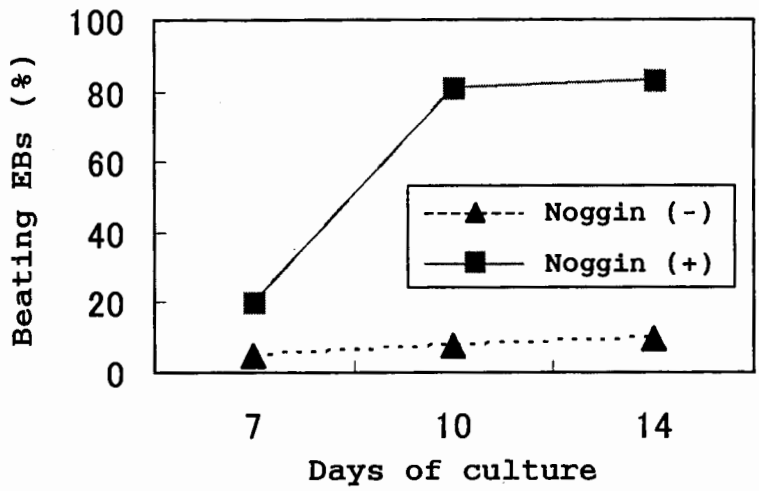


Figure 1B

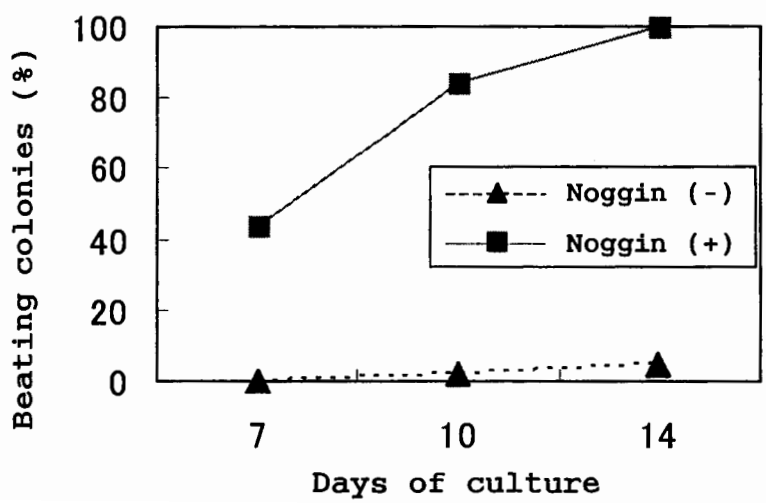


Figure 2

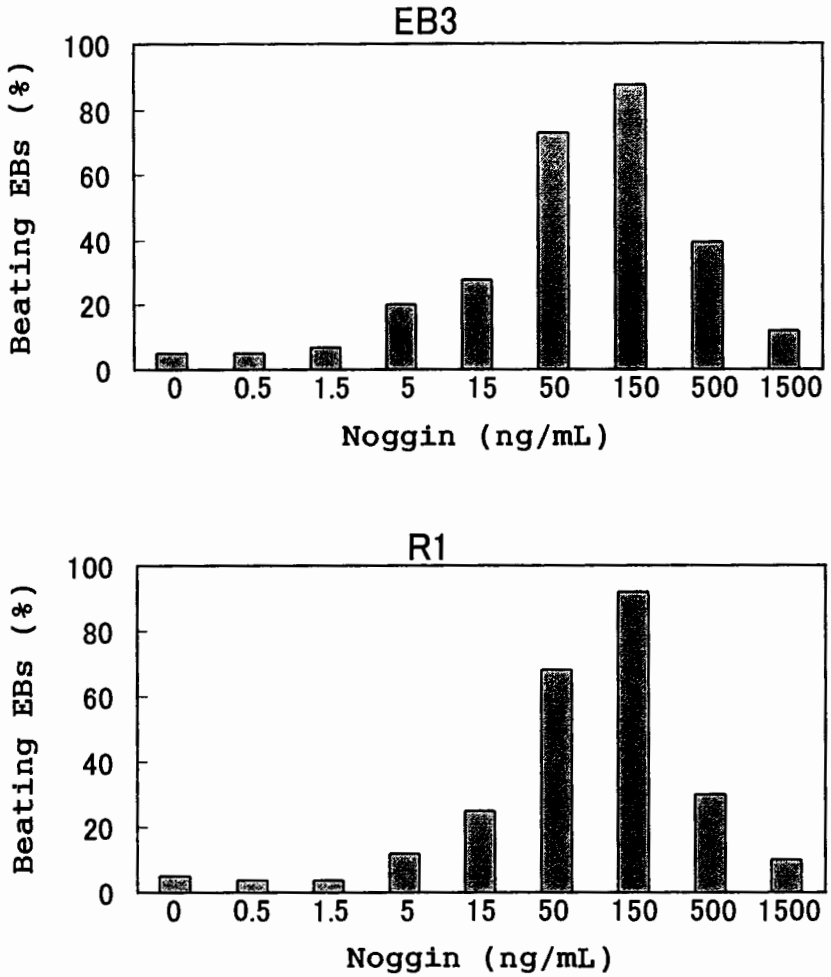

EB3
Beating EBs (%)
100
80
60
40
20
0
0
0.5
1.5
5
15
50
150
500
1500
Noggin (ng/mL)
R1
Beating EBs (%)
100
80
60
40
20
0
0
0.5
1.5
5
15
50
150
500
1500
Noggin (ng/mL)

Figure 3

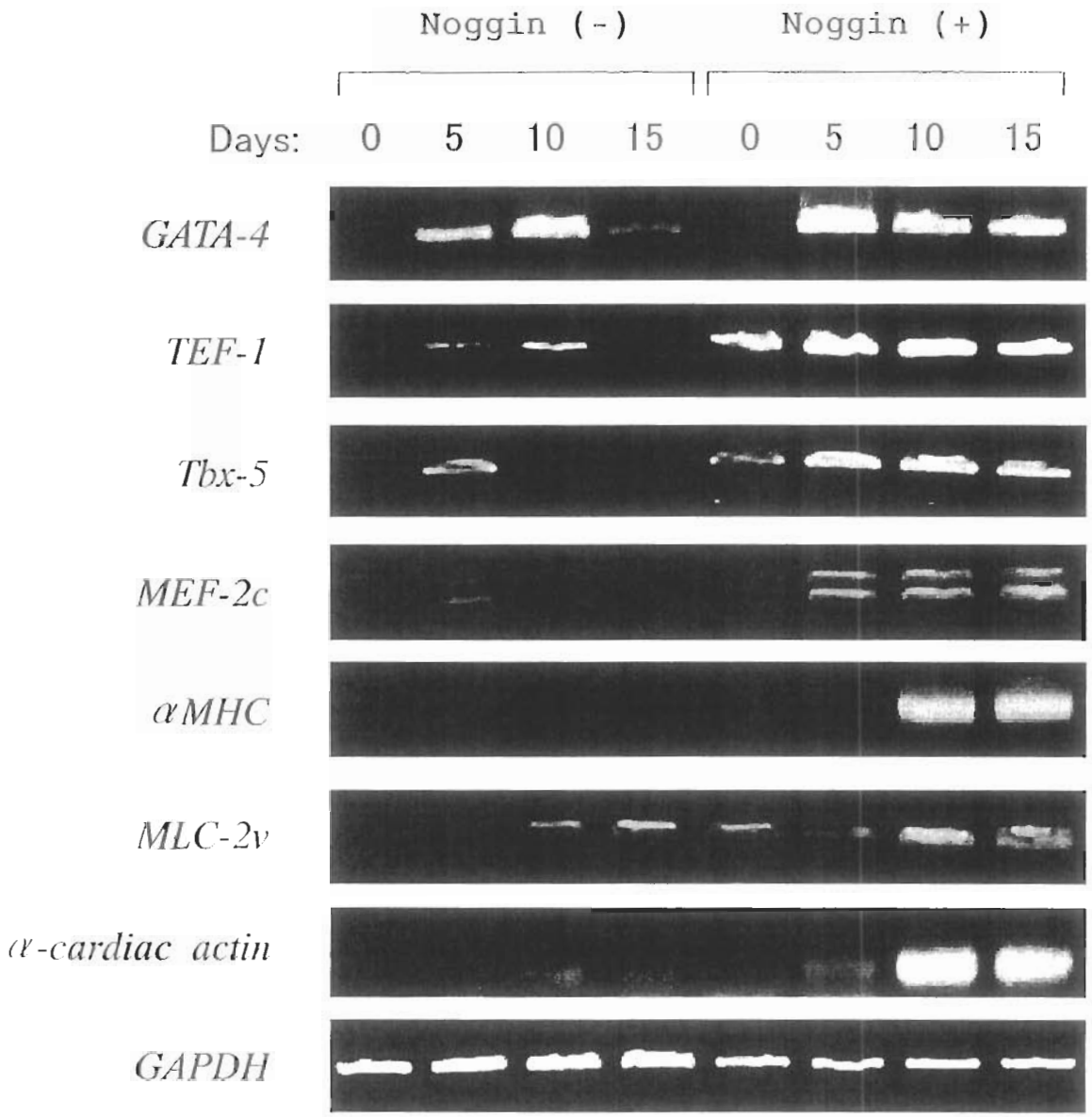

Noggin (-)
Noggin (+)
Days: 0 5 10 15 0 5 10 15
GATA-4
TEF-1
Tbx-5
MEF-2c
αMHC
MLC-2v
α-cardiac actin
GAPDH

Figure 4

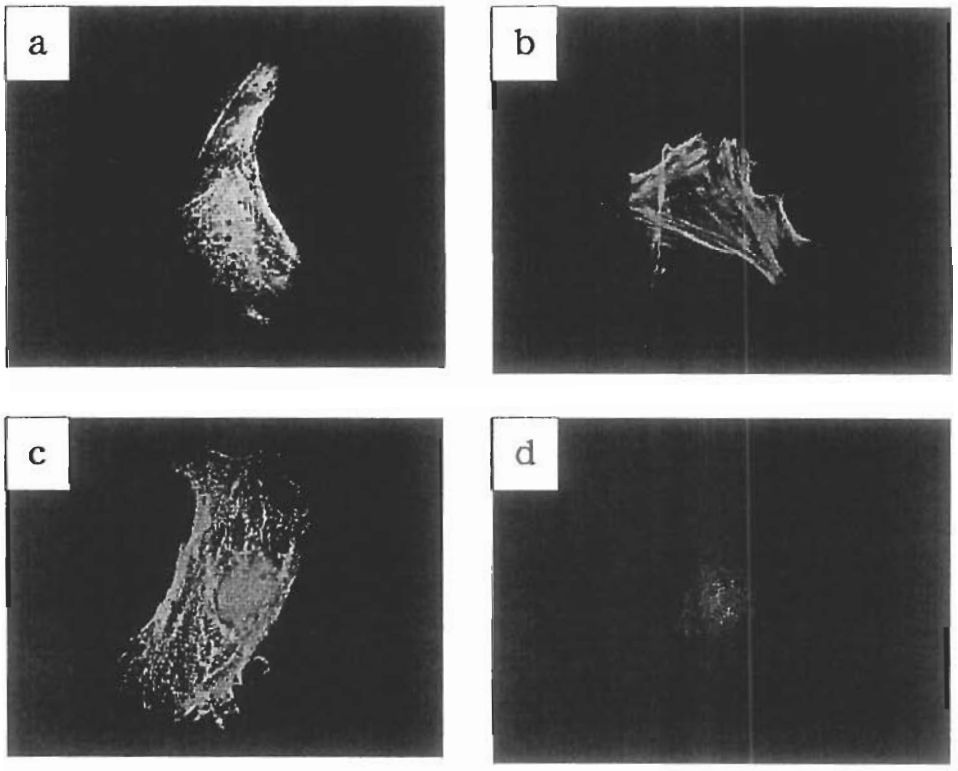


Figure 5

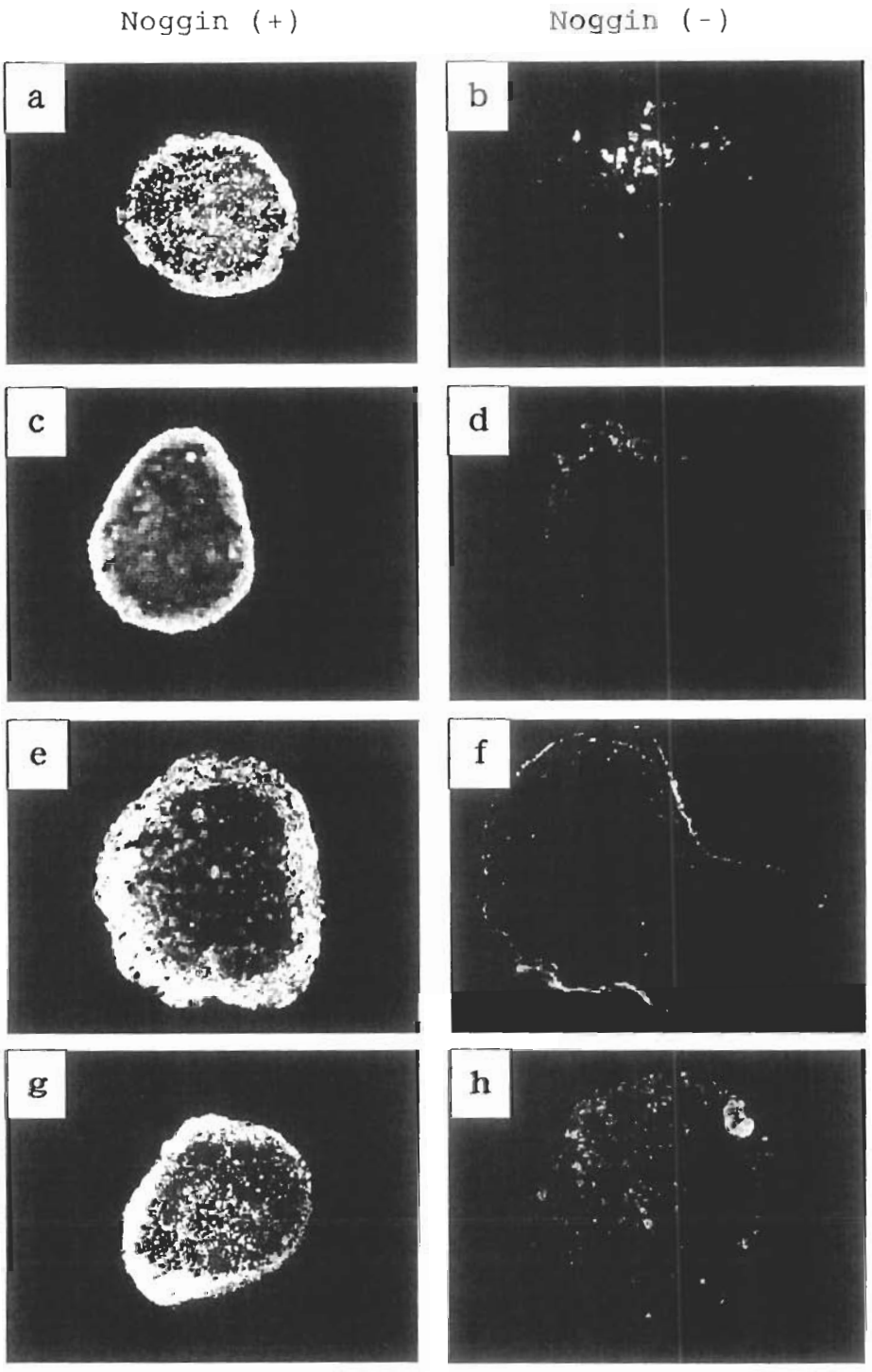


Figure 6

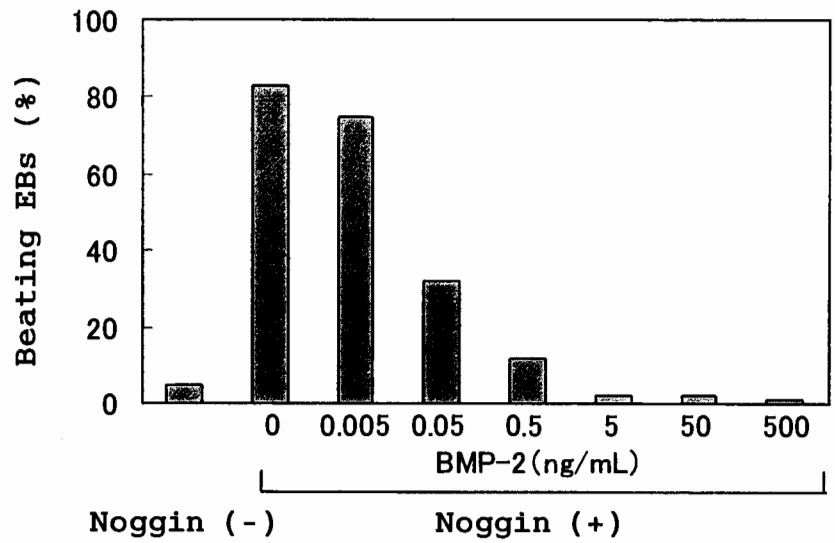

100
80
60
40
20
0
Beating EBs (%)
0
0.005
0.05
0.5
5
50
500
BMP-2(ng/mL)
Noggin (-)
Noggin (+)

Figure 7A

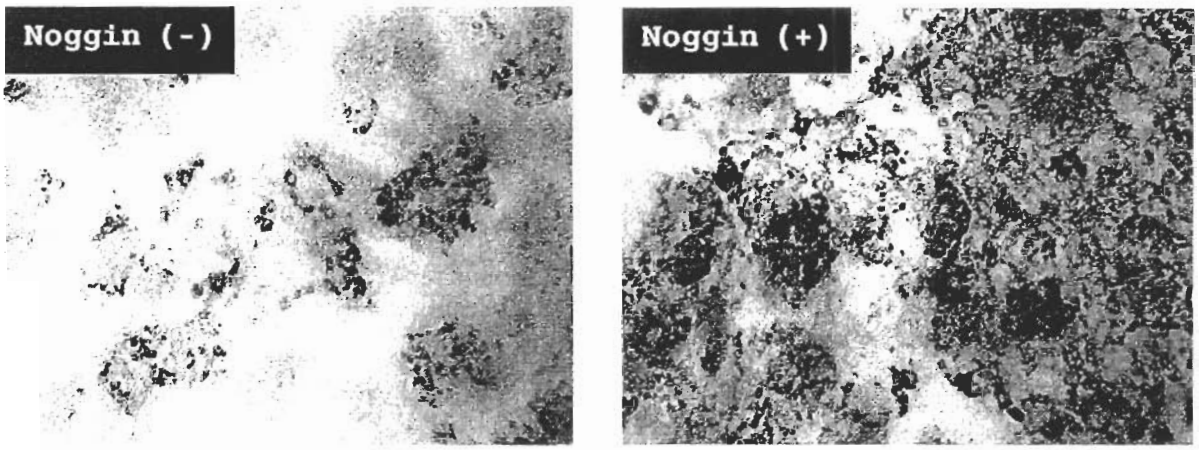


Figure 7B

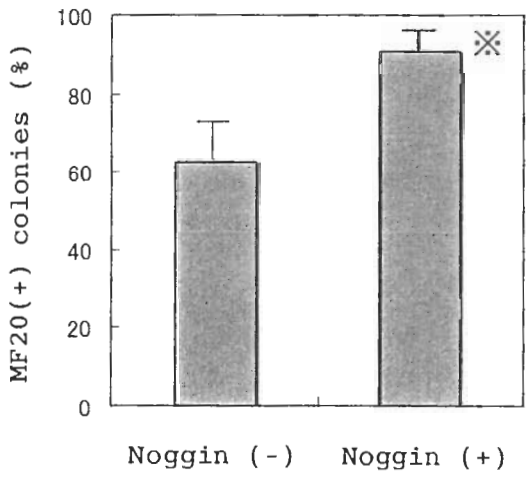


Figure 7C

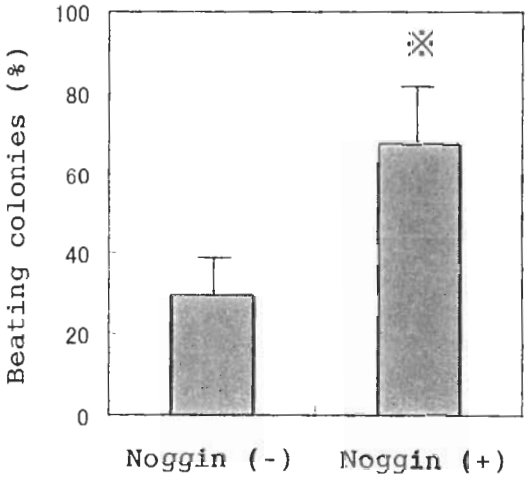


Figure 8

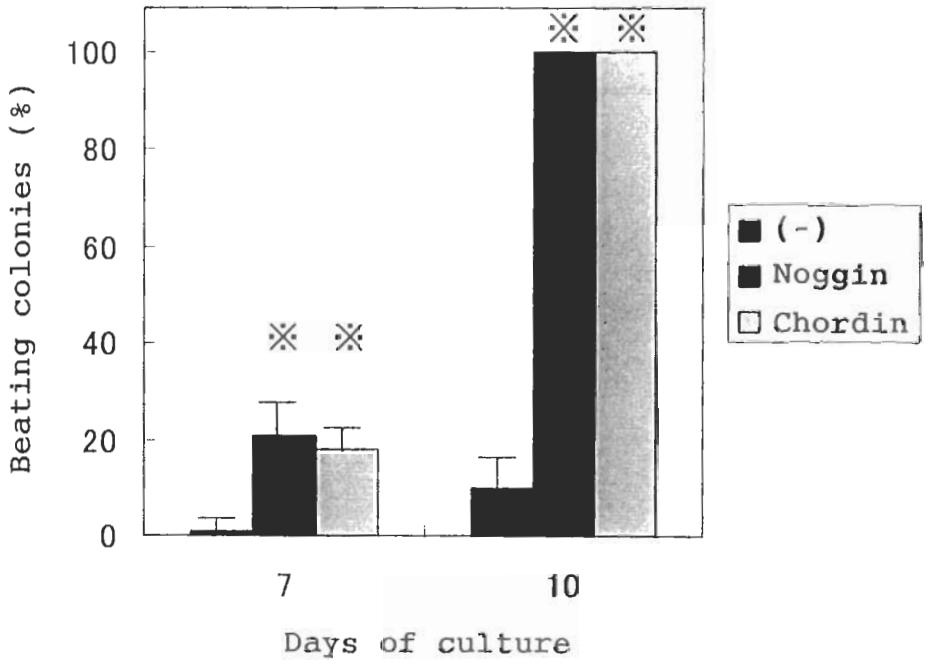

Beating colonies (%)
100
80
60
40
20
0
※
※
※
※
7
10
Days of culture
(-)
Noggin
Chordin

Figure 9

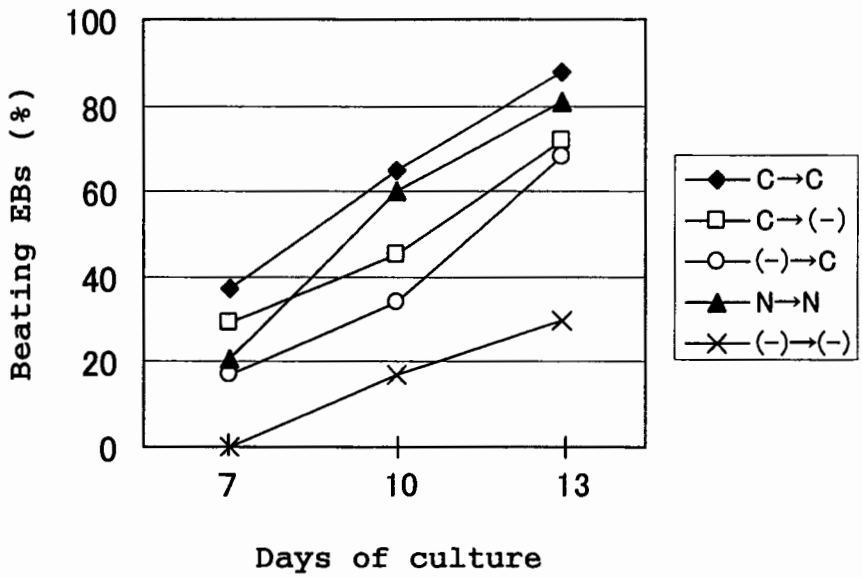
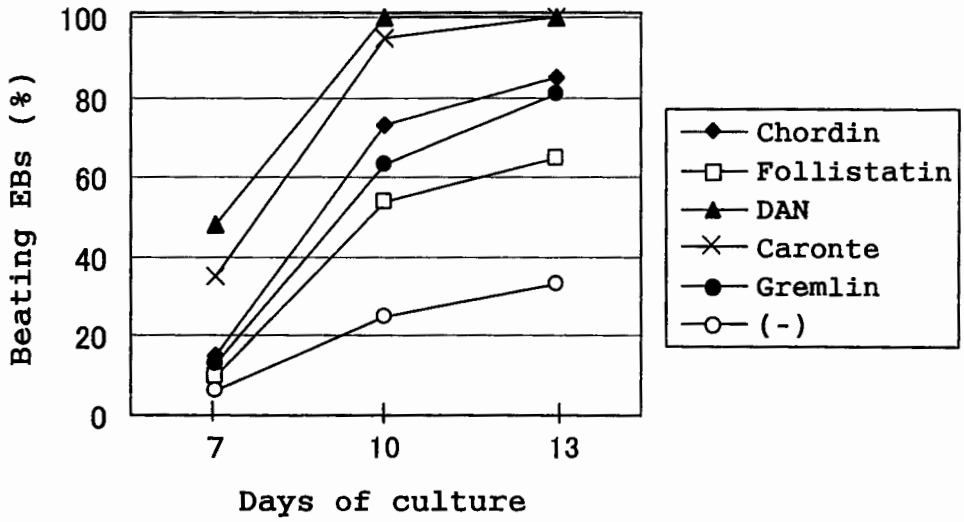


Figure 10


100
80
60
40
20
0
Beating EBs (%)
7
10
13
Days of culture
Chordin
Follistatin
DAN
Caronte
Gremlin
(-)