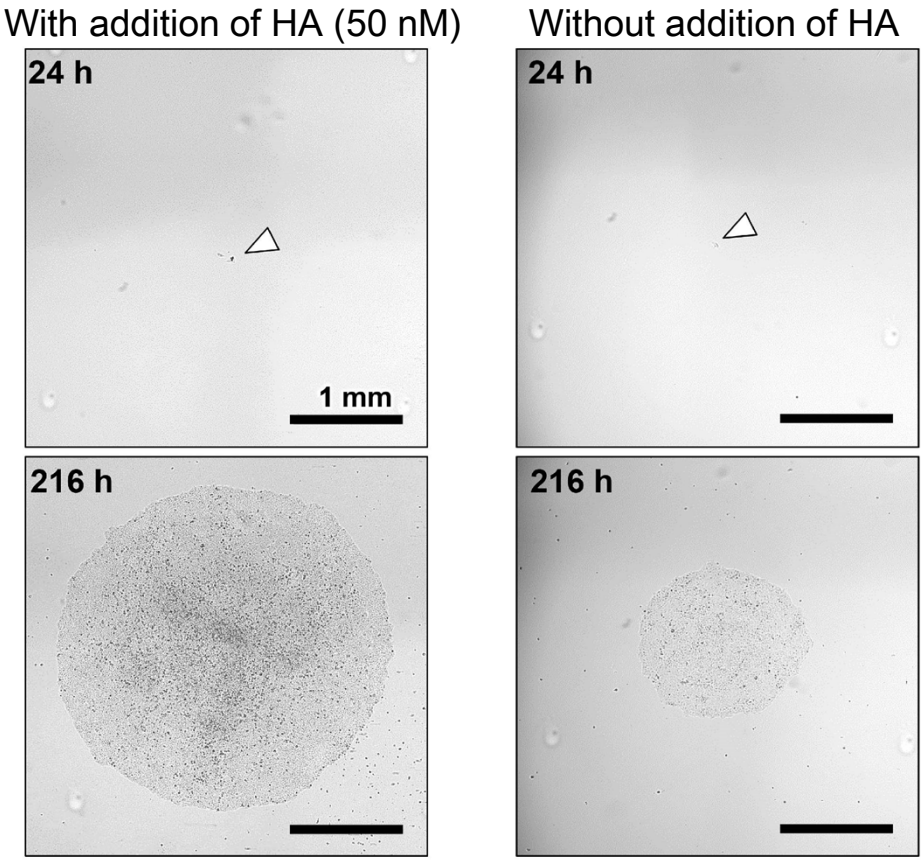

With addition of HA (50 nM)
Without addition of HA
24 h
24 h
1 mm
216 h
216 h

FIG. 1

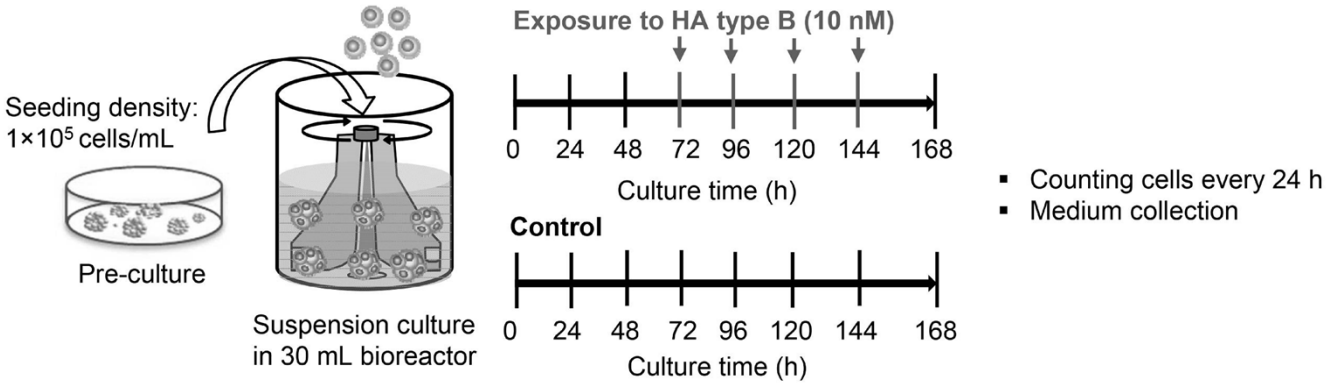

Seeding density:
1×10⁵ cells/mL
Pre-culture
Suspension culture
in 30 mL bioreactor
Exposure to HA type B (10 nM)
0 24 48 72 96 120 144 168
Culture time (h)
Control
0 24 48 72 96 120 144 168
Culture time (h)
Counting cells every 24 h
Medium collection

FIG. 2

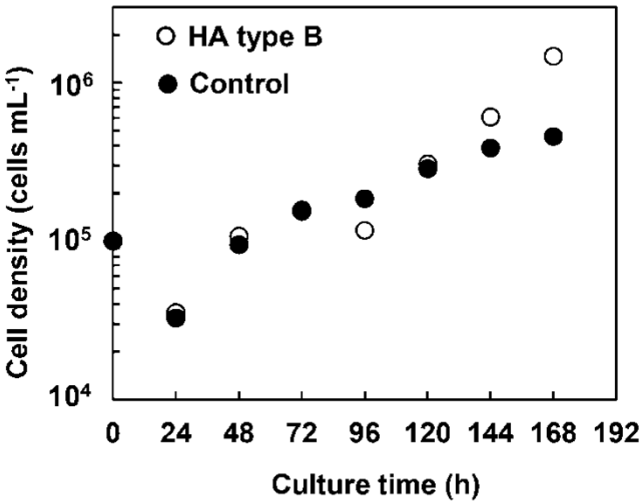

HA type B
Control
Cell density (cells mL-1)
10^6
10^5
10^4
0
24
48
72
96
120
144
168
192
Culture time (h)

FIG. 3

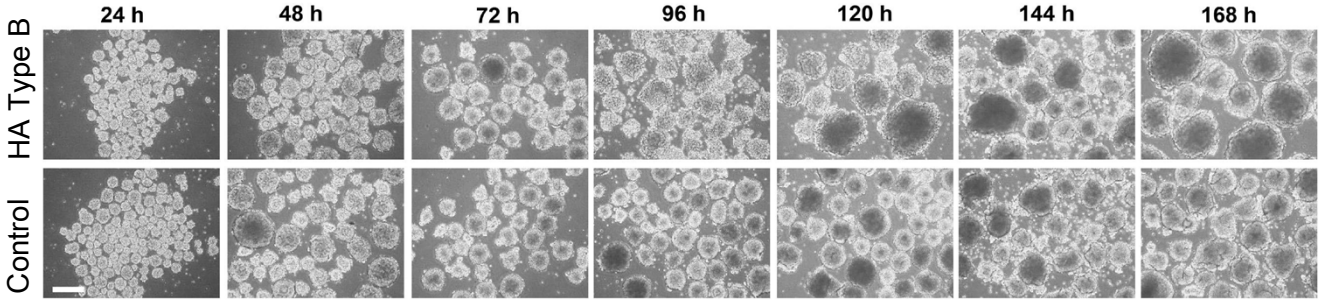

24 h
48 h
72 h
96 h
120 h
144 h
168 h
HA Type B
Control
Scale Bar : 200μm

FIG. 4

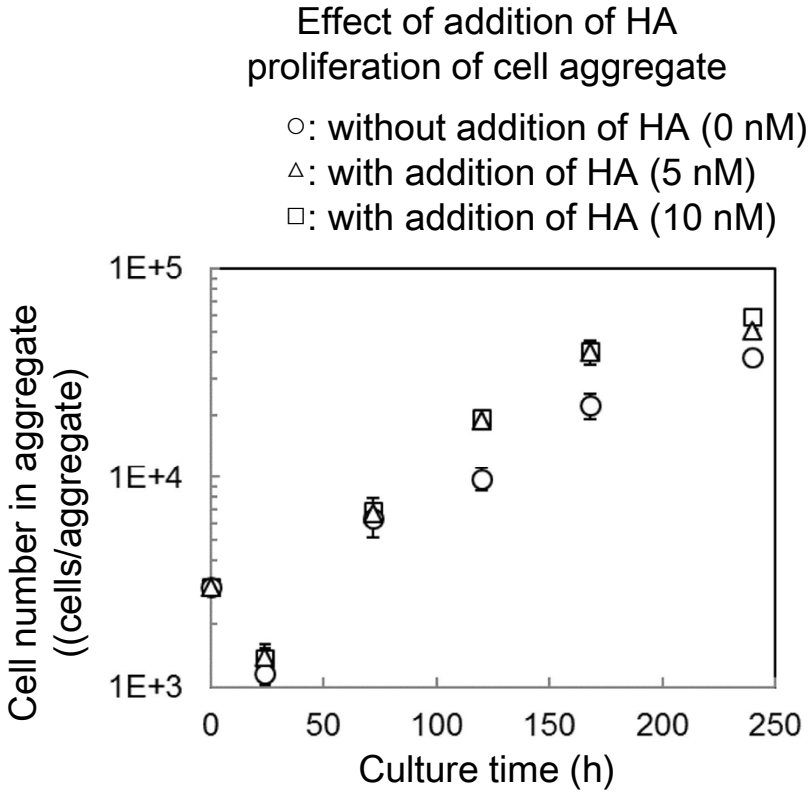

Effect of addition of HA
proliferation of cell aggregate
○: without addition of HA (0 nM)
△: with addition of HA (5 nM)
□: with addition of HA (10 nM)
Cell number in aggregate
((cells/aggregate)
1E+5
1E+4
1E+3
0
50
100
150
200
250
Culture time (h)

FIG. 5

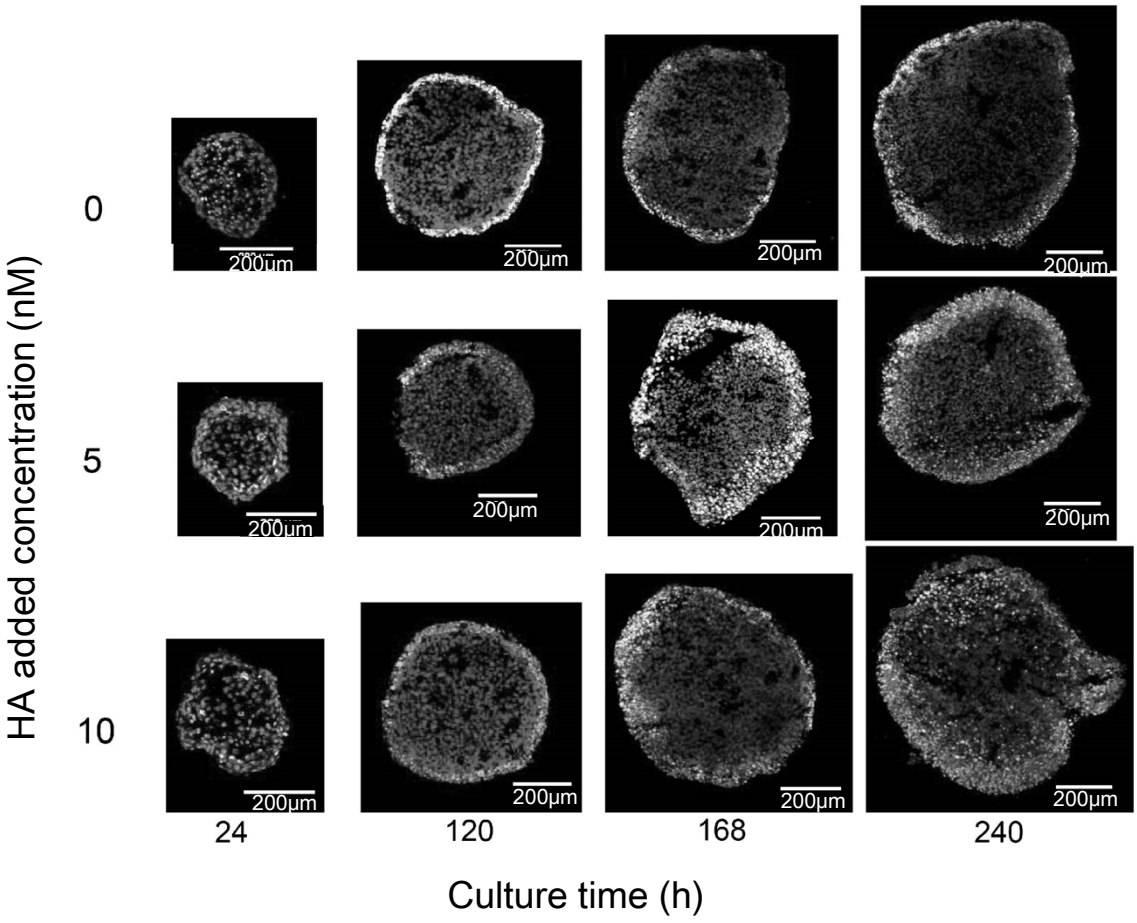

HA added concentration (nM)
0
5
10
200μm
24
120
168
240
Culture time (h)

FIG. 6