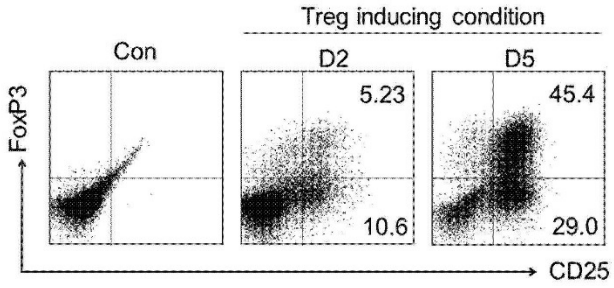
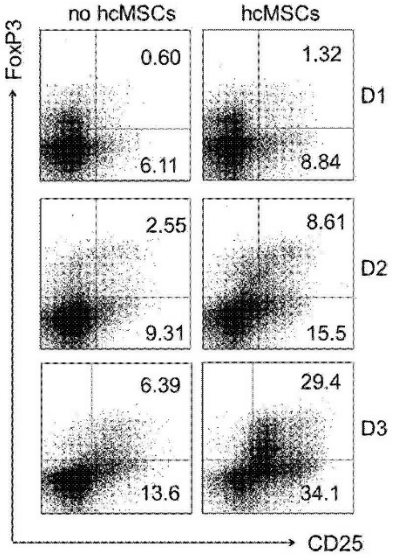
【Fig. 3】

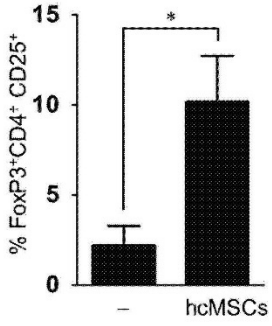
A



B

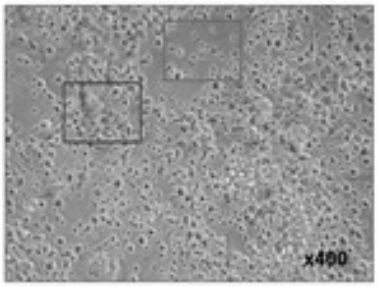


C

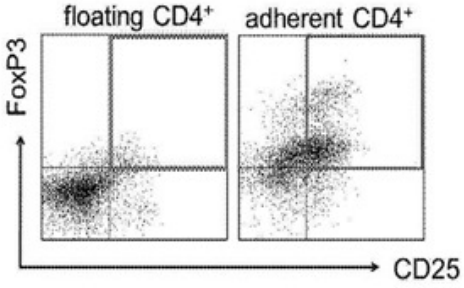


【Fig. 4】

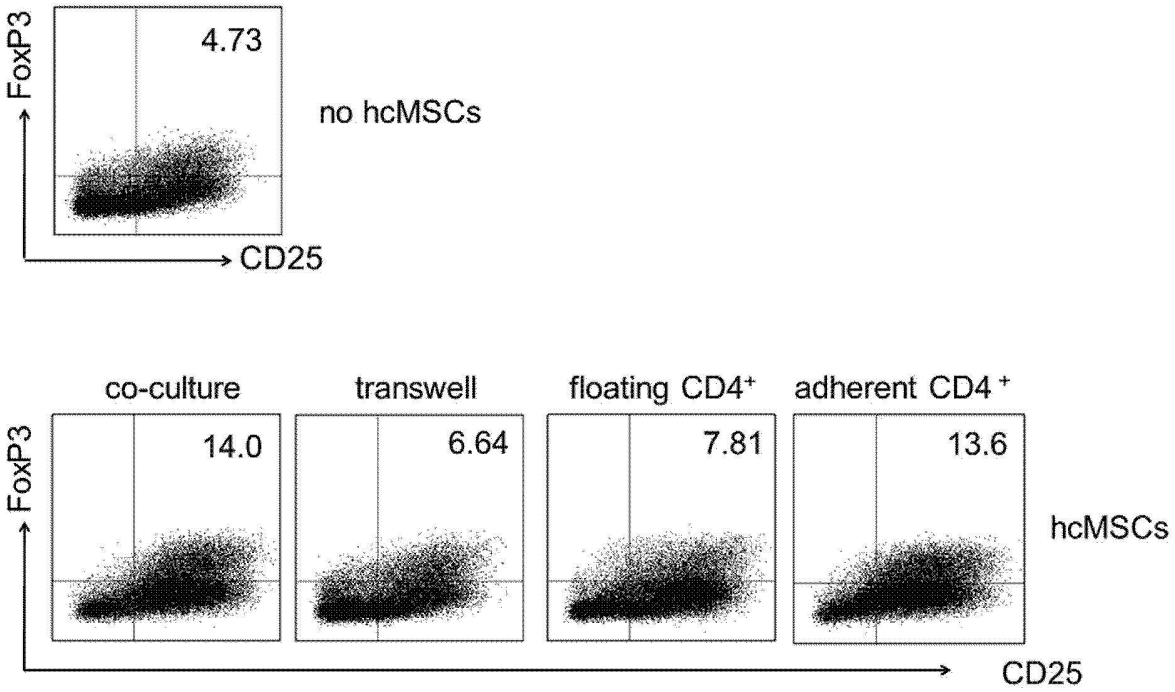
A



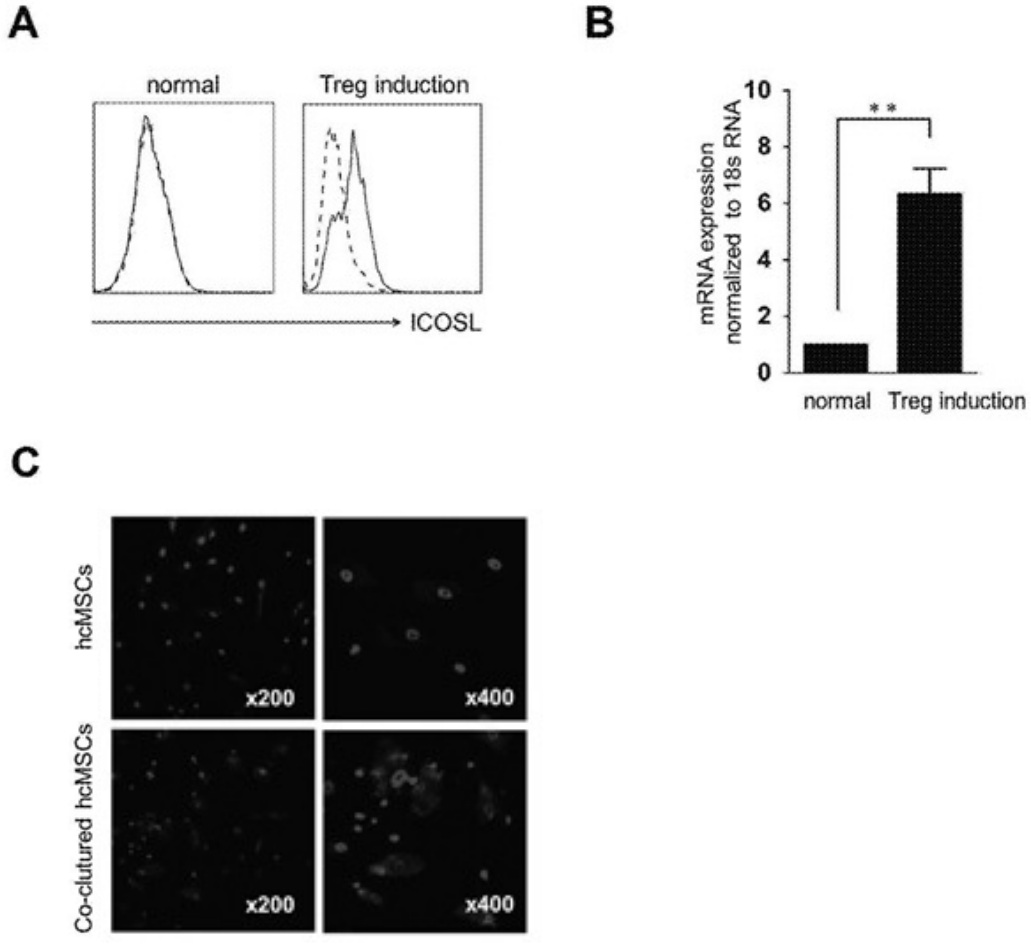
B



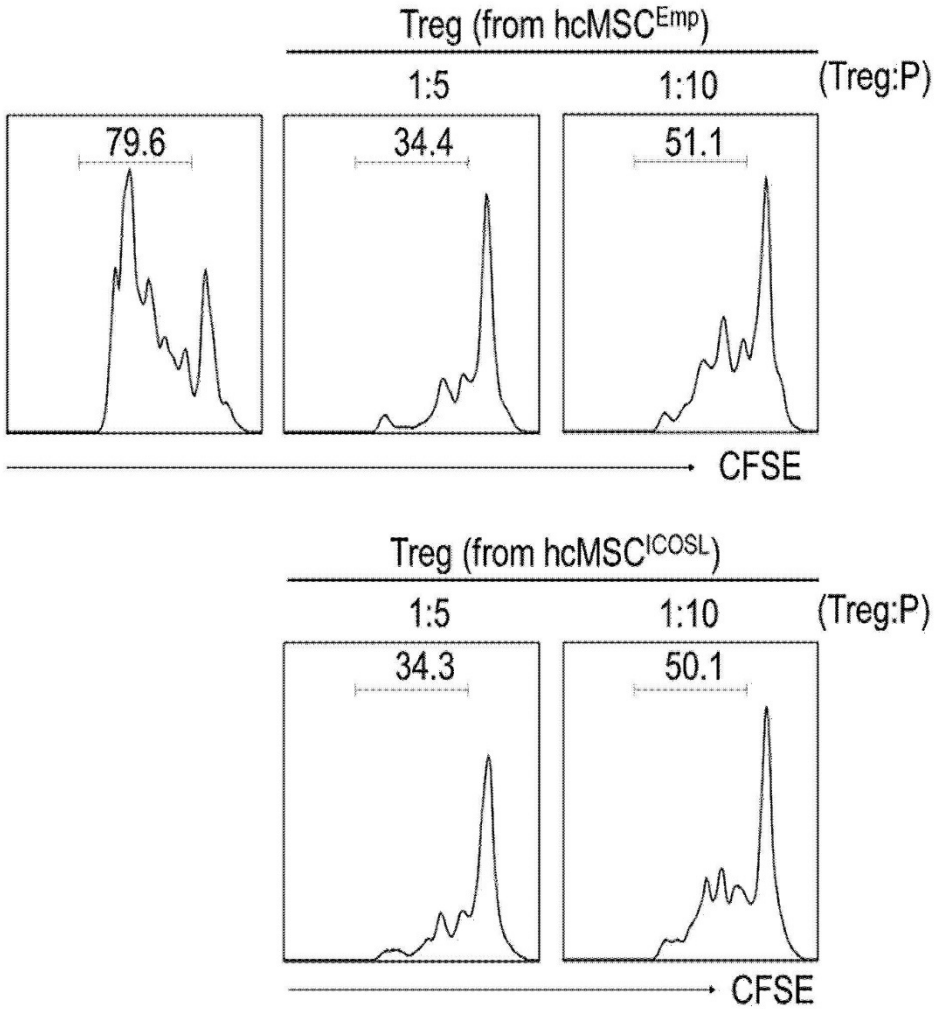
【Fig. 5】


FoxP3
4.73
no hcMSCs
CD25
co-culture
transwell
floating CD4+
adherent CD4+
14.0
6.64
7.81
13.6
hcMSCs
FoxP3
CD25

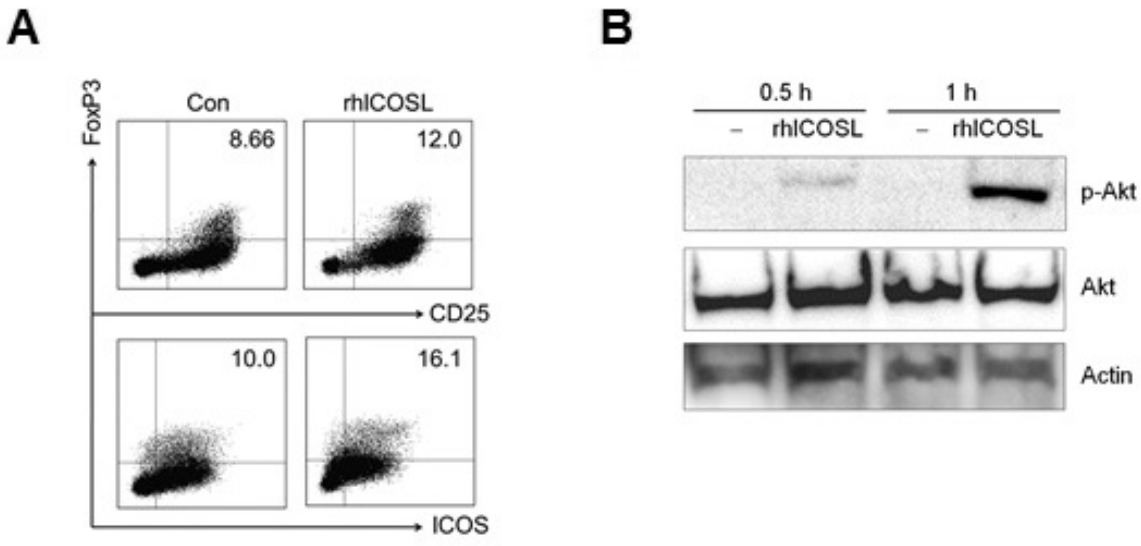
【Fig. 6】


A
normal
Treg induction
ICOSL
B
mRNA expression normalized to 18s RNA
10
8
6
4
2
0
**
normal
Treg induction
C
hcMSCs
Co-clutured hcMSCs
x200
x400
x200
x400

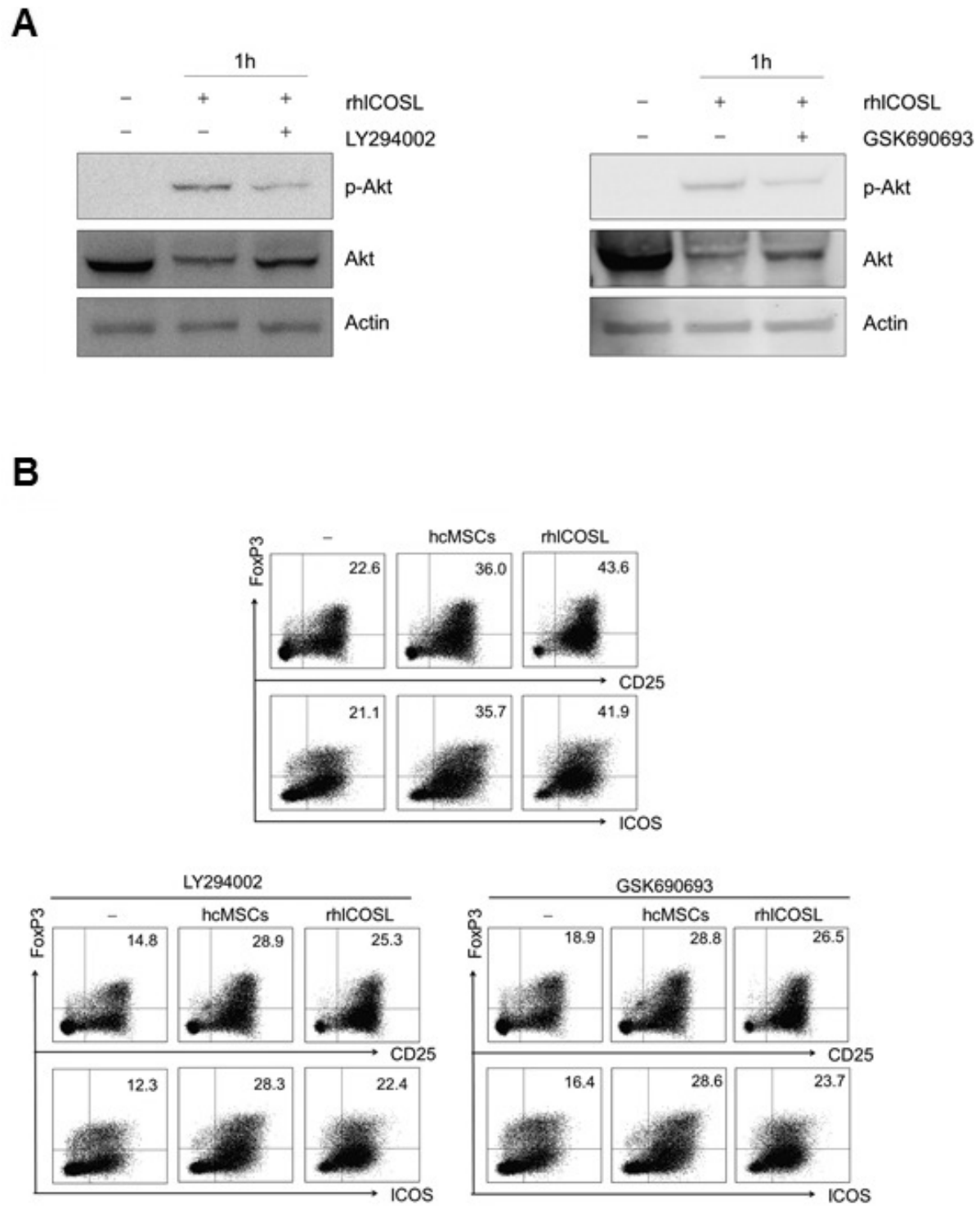
【Fig. 12】


Treg (from hcMSC^{Emp})
1:5
1:10
(Treg:P)
79.6
34.4
51.1
CFSE
Treg (from hcMSC^{ICOSL})
1:5
1:10
(Treg:P)
34.3
50.1
CFSE

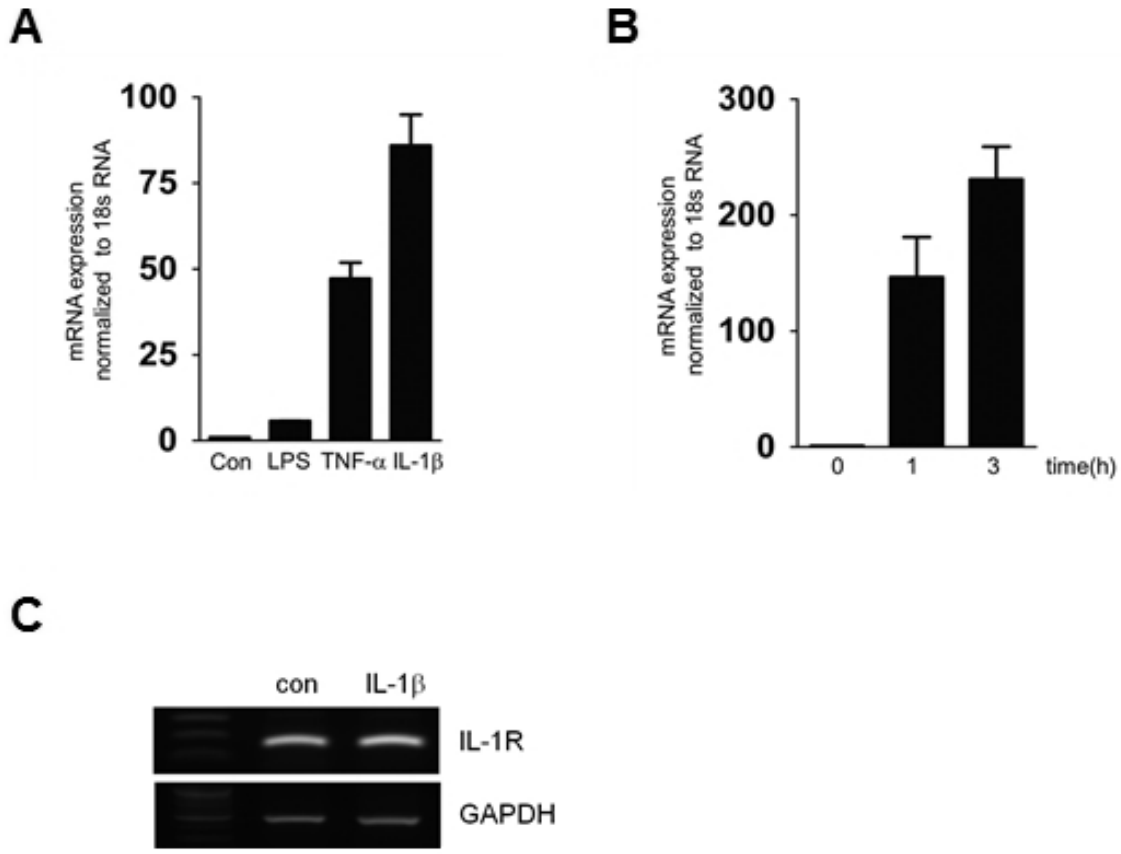
【Fig. 13】


A
FoxP3
Con
rhICOSL
8.66
12.0
CD25
10.0
16.1
ICOS
B
0.5 h
1 h
– rhICOSL
– rhICOSL
p-Akt
Akt
Actin

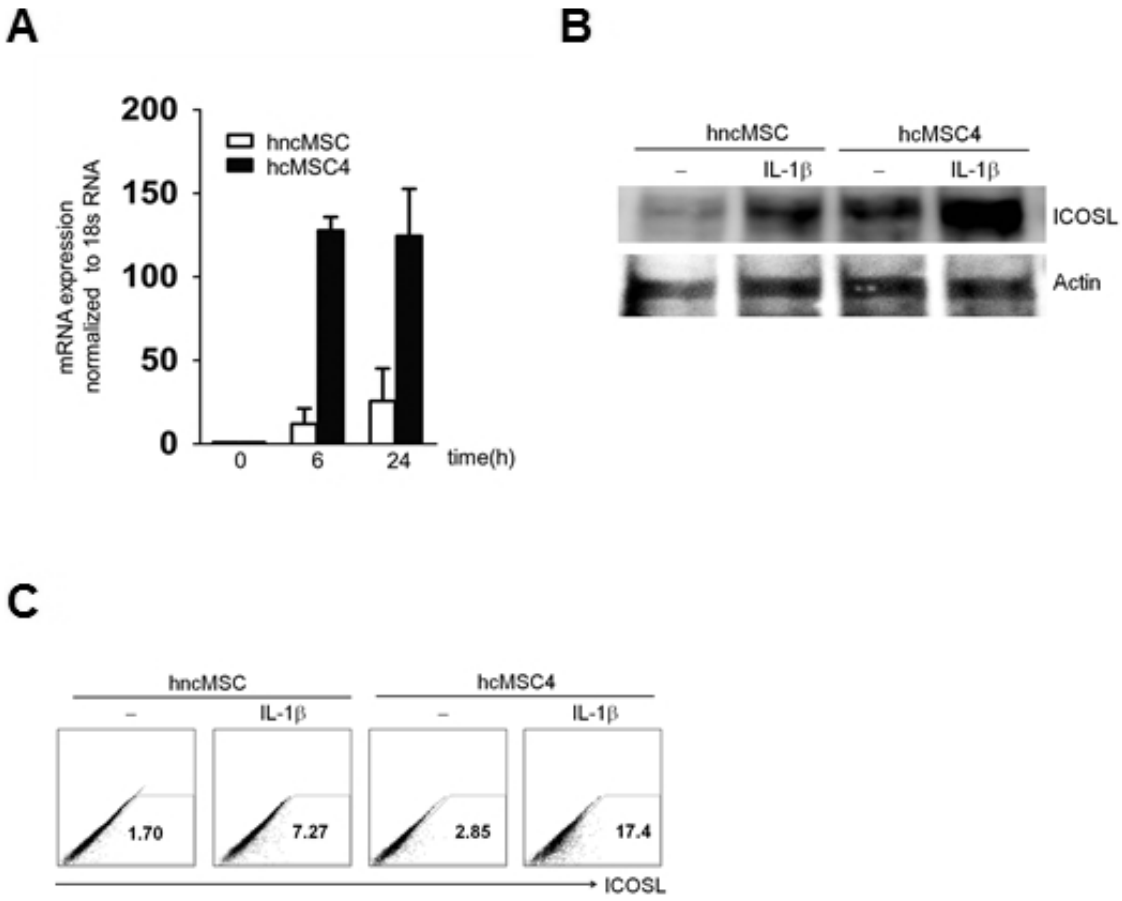
【Fig. 14】


A
1h
rhICOSL
LY294002
p-Akt
Akt
Actin
1h
rhICOSL
GSK690693
p-Akt
Akt
Actin
B
hcMSCs
rhICOSL
FoxP3
22.6
36.0
43.6
CD25
21.1
35.7
41.9
ICOS
LY294002
hcMSCs
rhICOSL
14.8
28.9
25.3
12.3
28.3
22.4
GSK690693
hcMSCs
rhICOSL
18.9
28.8
26.5
16.4
28.6
23.7

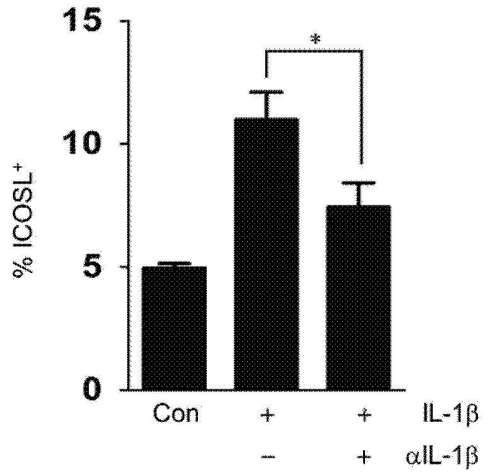
【Fig. 16】


A
100
75
50
25
0
mRNA expression normalized to 18s RNA
Con
LPS
TNF-α
IL-1β
B
300
200
100
0
mRNA expression normalized to 18s RNA
0
1
3
time(h)
C
con
IL-1β
IL-1R
GAPDH

【Fig. 17】


A
B
C
200
150
100
50
0
hncMSC
hcMSC4
mRNA expression normalized to 18s RNA
0
6
24
time(h)
hncMSC
hcMSC4
–
IL-1β
–
IL-1β
ICOSL
Actin
hncMSC
hcMSC4
–
IL-1β
–
IL-1β
1.70
7.27
2.85
17.4
ICOSL

【Fig. 18】


15
10
5
0
*
% ICOSL+
Con
+
+
IL-1β
–
+
αIL-1β