Fig. 1

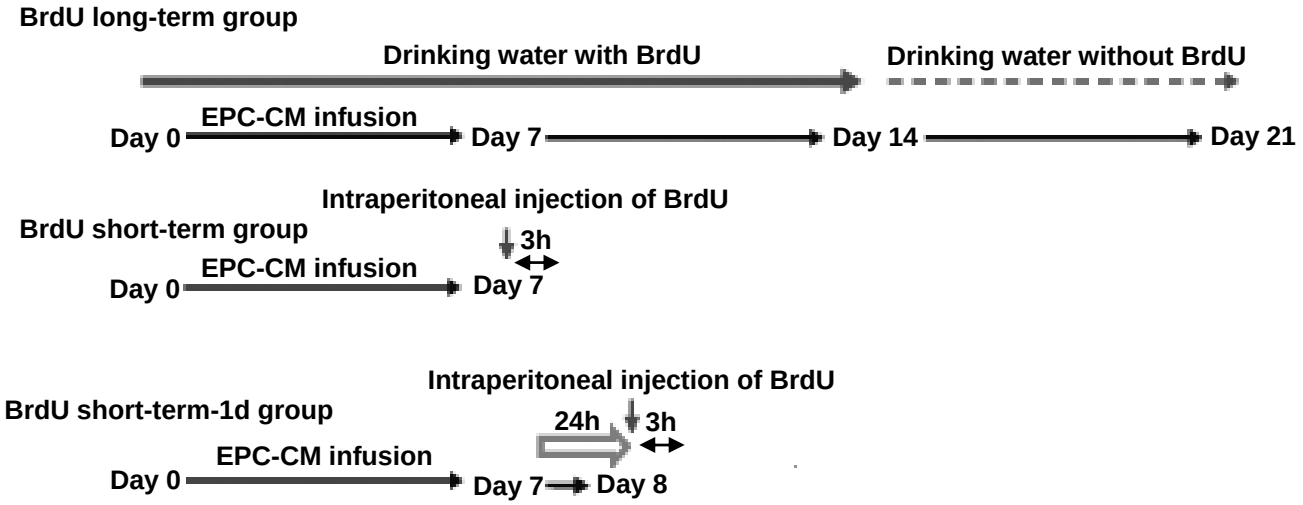
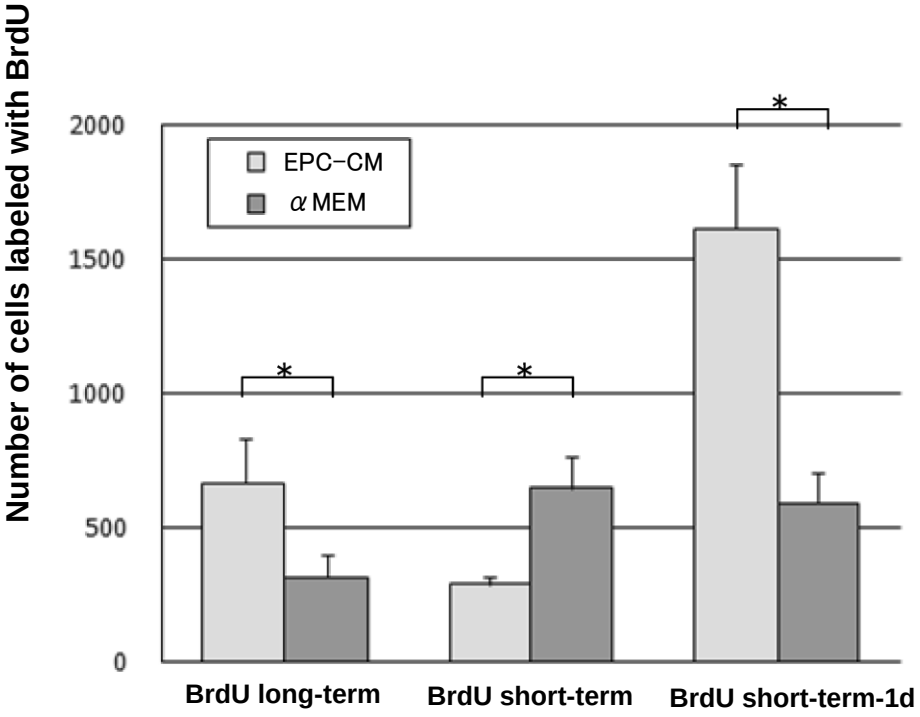

BrdU long-term group
Drinking water with BrdU
Drinking water without BrdU
EPC-CM infusion
Day 0
Day 7
Day 14
Day 21
Intraperitoneal injection of BrdU
BrdU short-term group
3h
EPC-CM infusion
Day 0
Day 7
Intraperitoneal injection of BrdU
BrdU short-term-1d group
24h
3h
EPC-CM infusion
Day 0
Day 7
Day 8

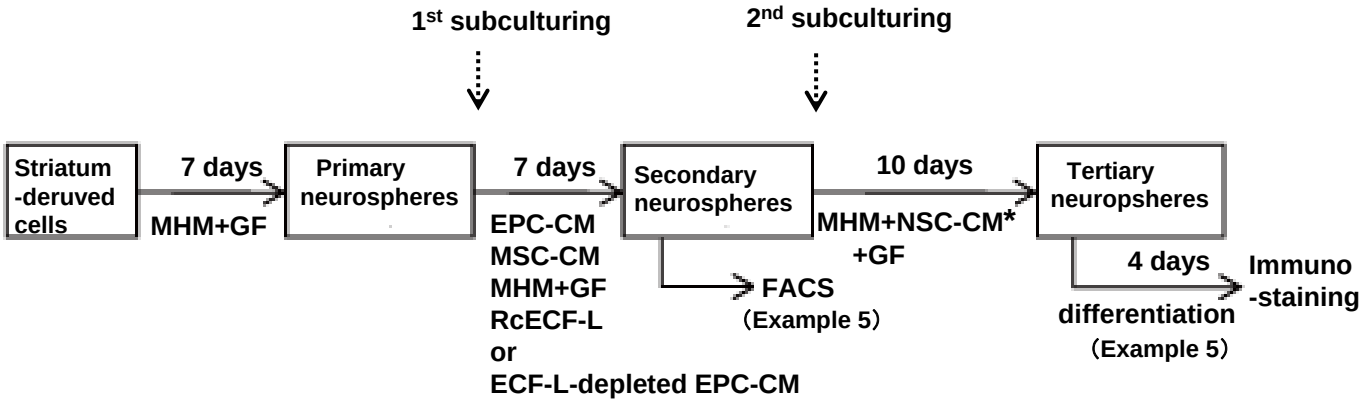
Fig. 2


Number of cells labeled with BrdU
2000
1500
1000
500
0
EPC-CM
αMEM
*
*
*
BrdU long-term
BrdU short-term
BrdU short-term-1d

*p<0.05

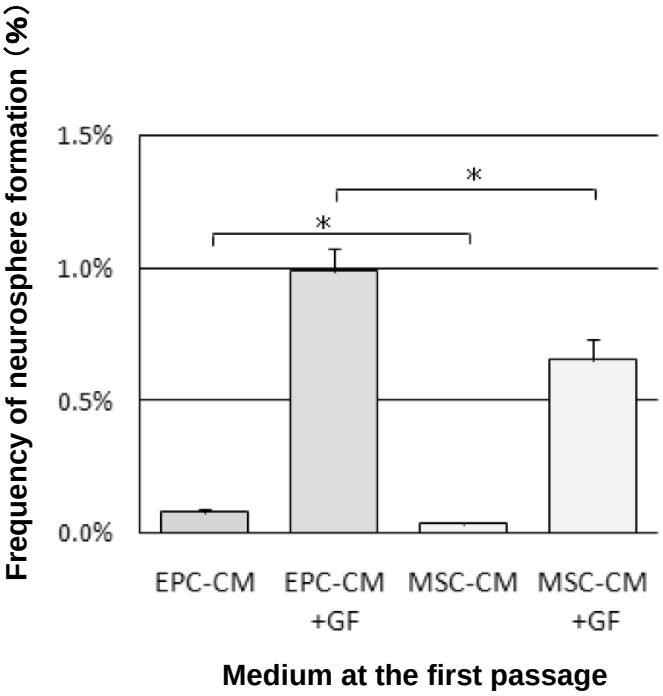
Fig. 3

Flow chart of Examples 2, 5, and 7



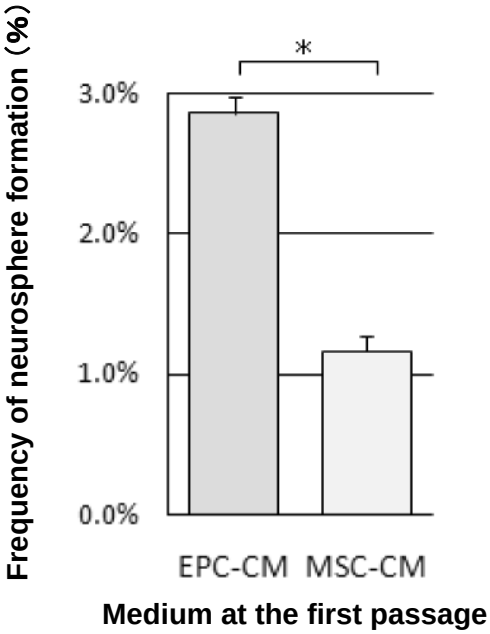
* Conditioned medium of the primary cultured neurospheres

Fig. 4



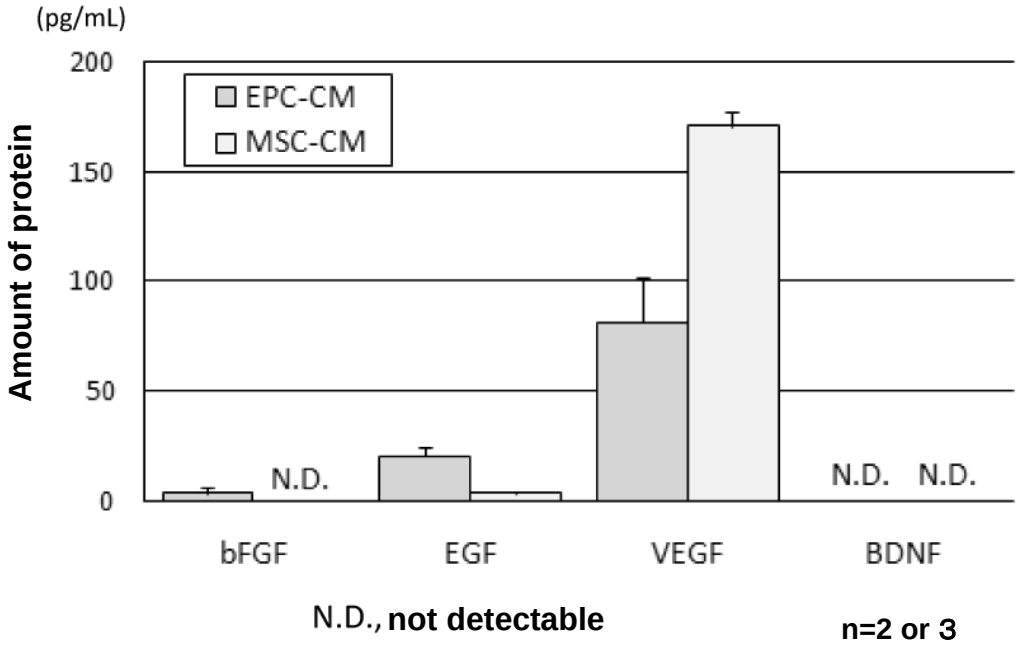
n＝20　*p<0.05

Fig. 5



n＝20　*p<0.05

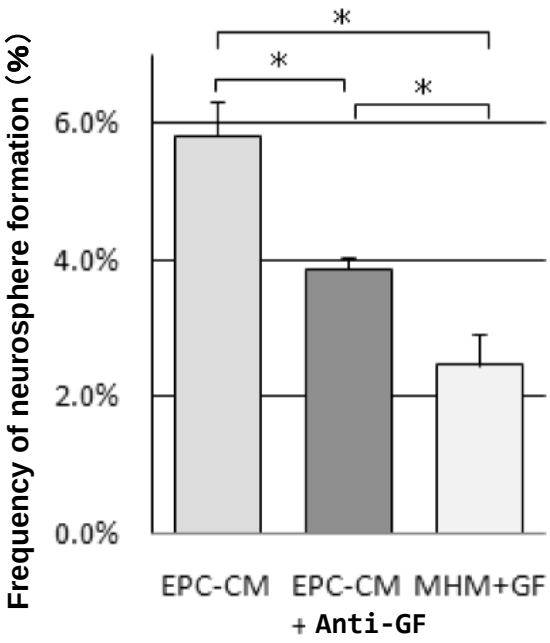
Fig. 6



N.D., **not detectable**

n=2 or 3

Fig. 7


Frequency of neurosphere formation (%)
6.0%
4.0%
2.0%
0.0%
*
*
*
EPC-CM
EPC-CM + Anti-GF
MHM+GF
Medium at the first passage

n＝3 ＊p<0.05

Fig. 8

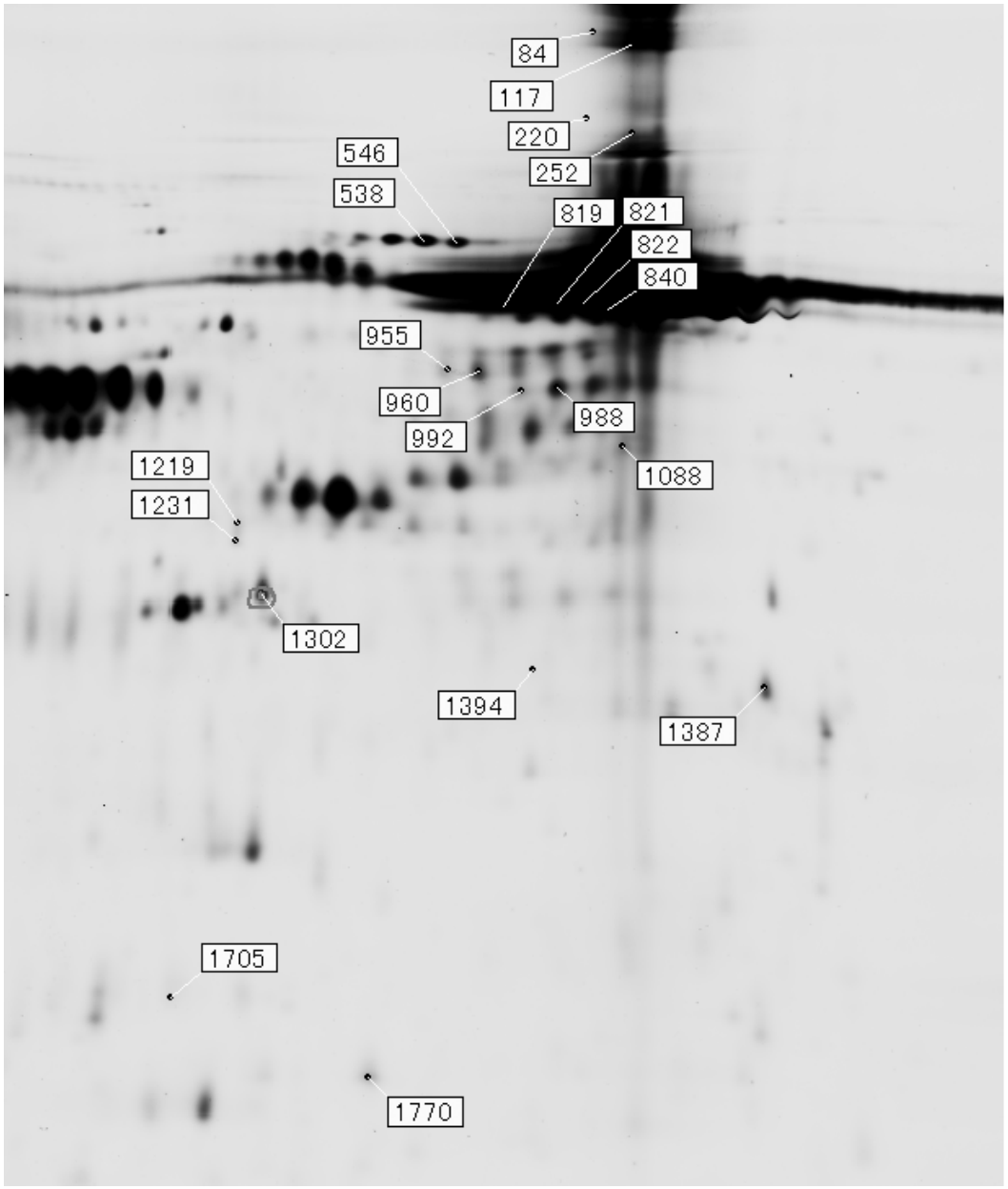

84
117
220
252
546
538
819
821
822
840
955
960
992
988
1088
1219
1231
1302
1394
1387
1705
1770

Fig. 9

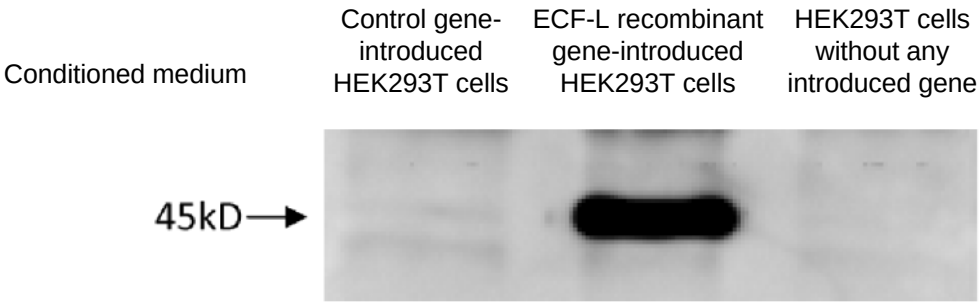

Conditioned medium
Control gene-introduced HEK293T cells
ECF-L recombinant gene-introduced HEK293T cells
HEK293T cells without any introduced gene
45kD

Fig. 10

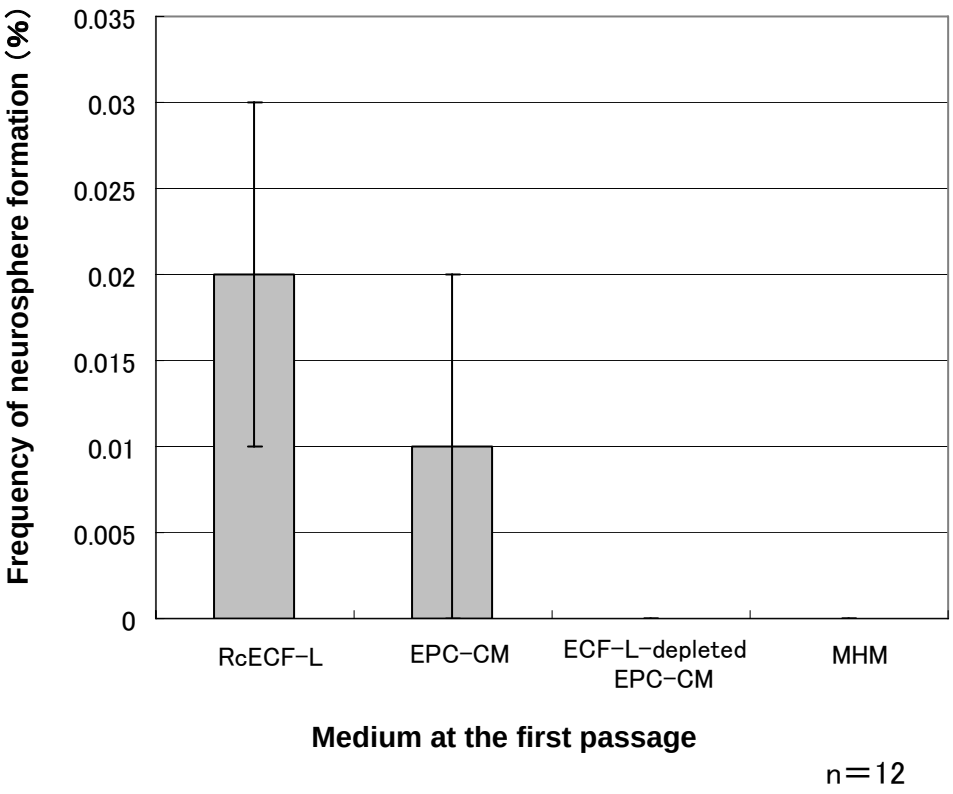
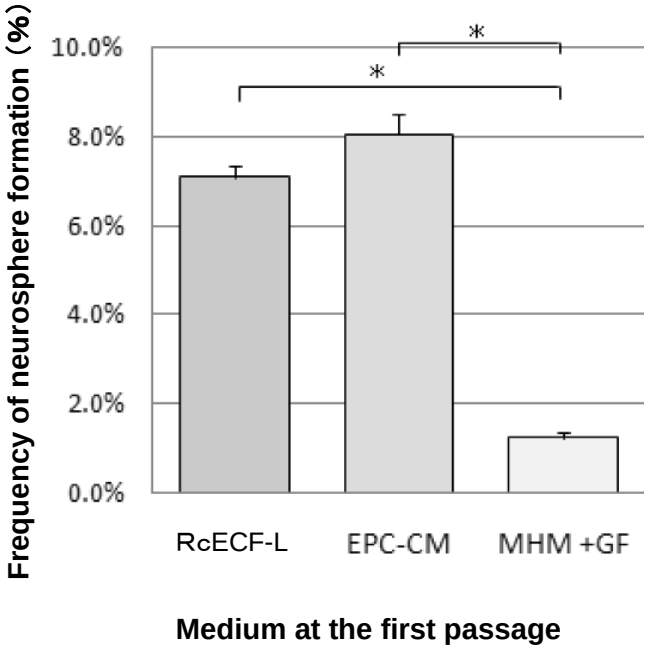

Frequency of neurosphere formation (%)
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
RcECF-L
EPC-CM
ECF-L-depleted EPC-CM
MHM
Medium at the first passage
n=12

Fig. 11



n＝8 or 10 *p<0.001

Fig. 12

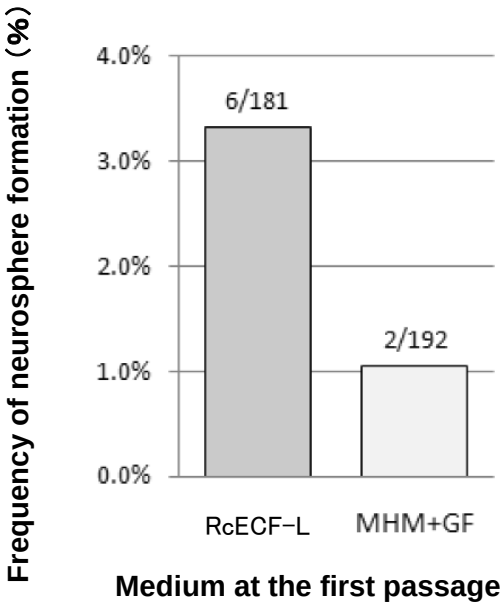

Frequency of neurosphere formation (%)
4.0%
3.0%
2.0%
1.0%
0.0%
6/181
2/192
RcECF-L
MHM+GF
Medium at the first passage

Fig. 13

Localization of ECF-L in the hippocampus

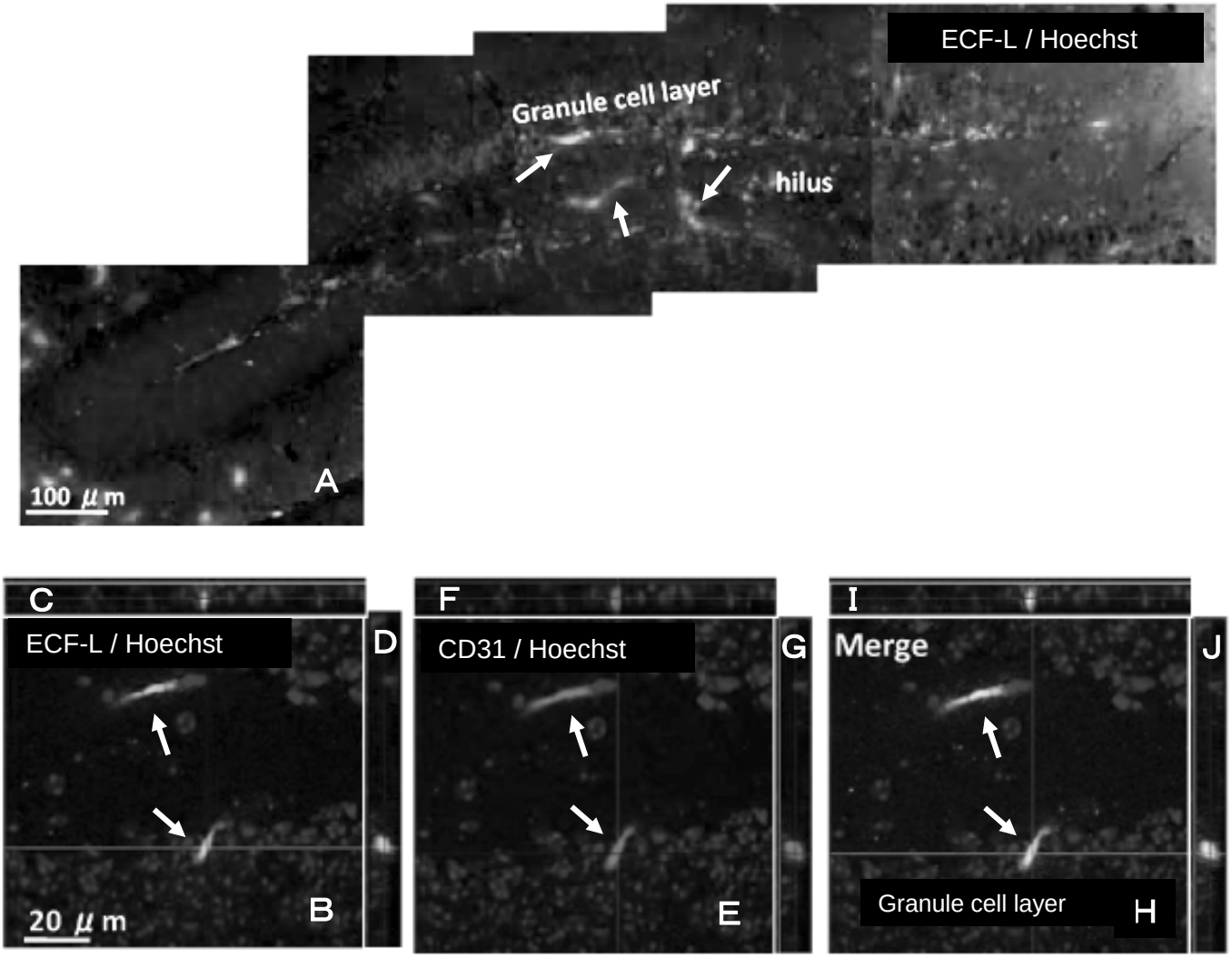


Fig. 14

Localization of ECF-L in the lateral ventricle

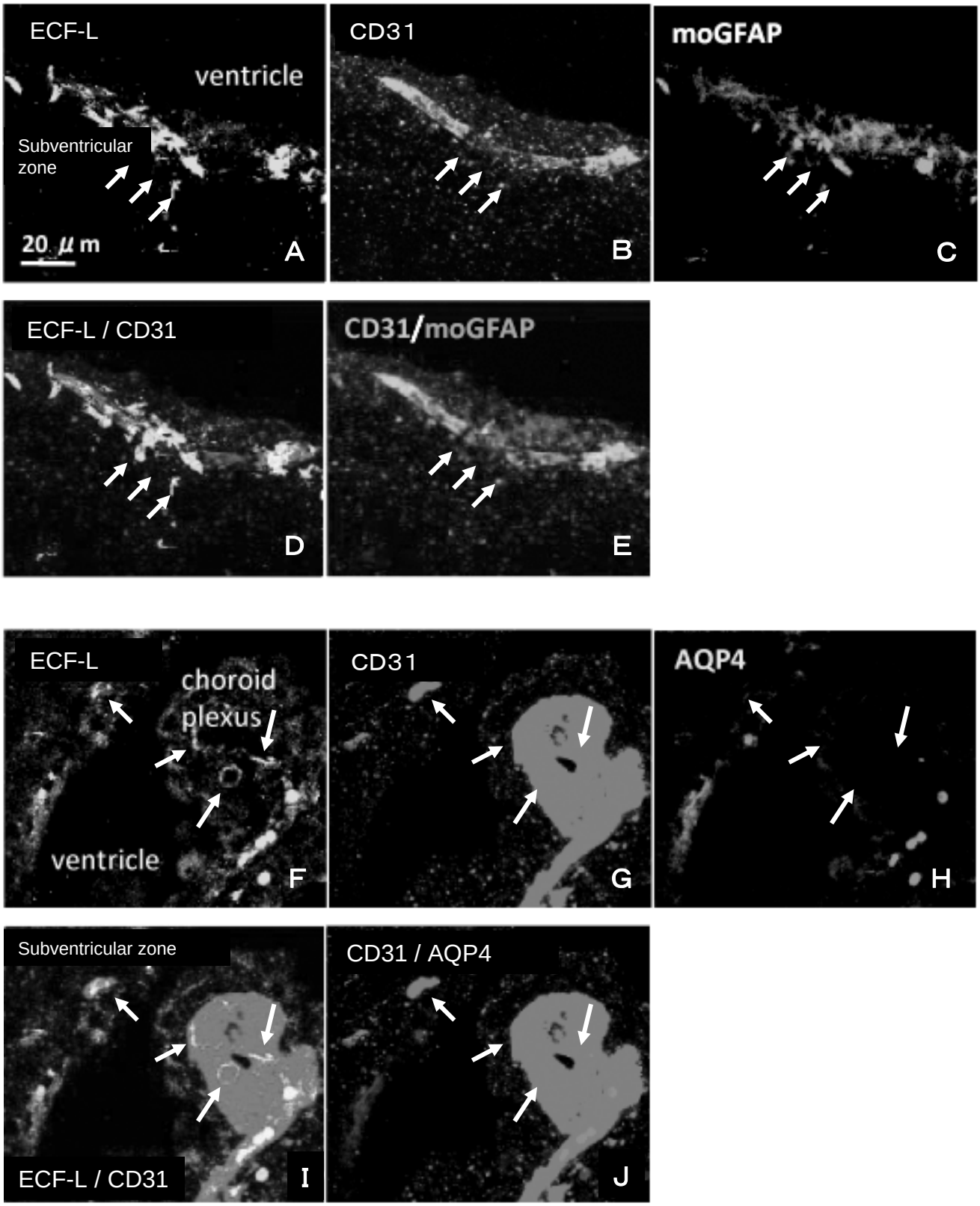


Fig. 15

Localization of ECF-L in the lateral ventricle

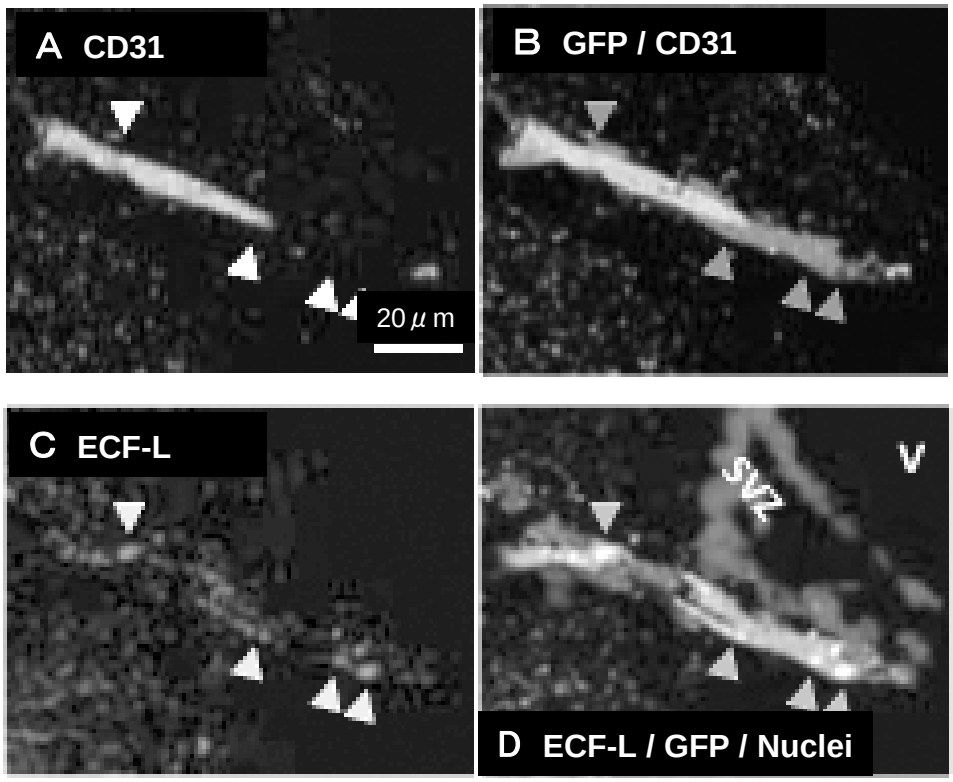


Fig. 16

Localization of ECF-L in the cerebral cortex

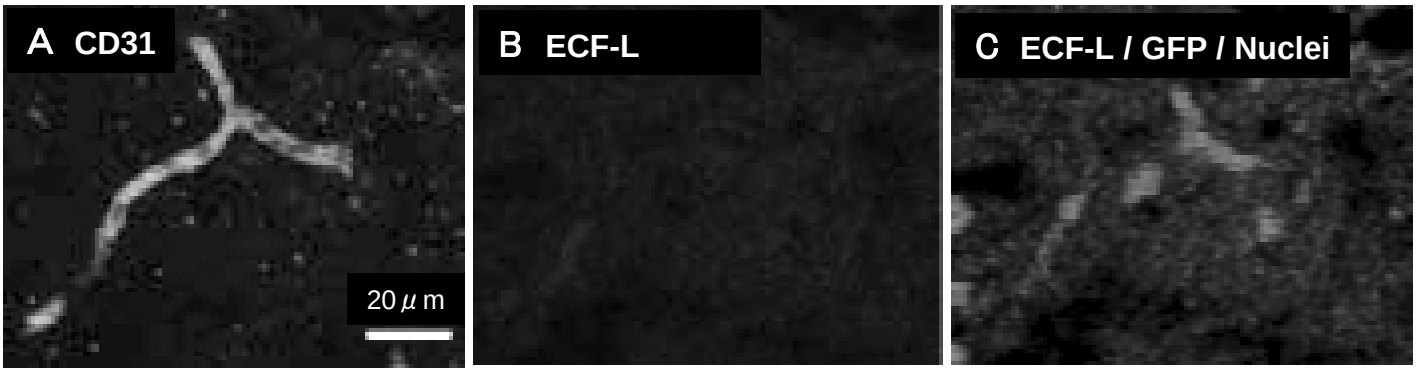
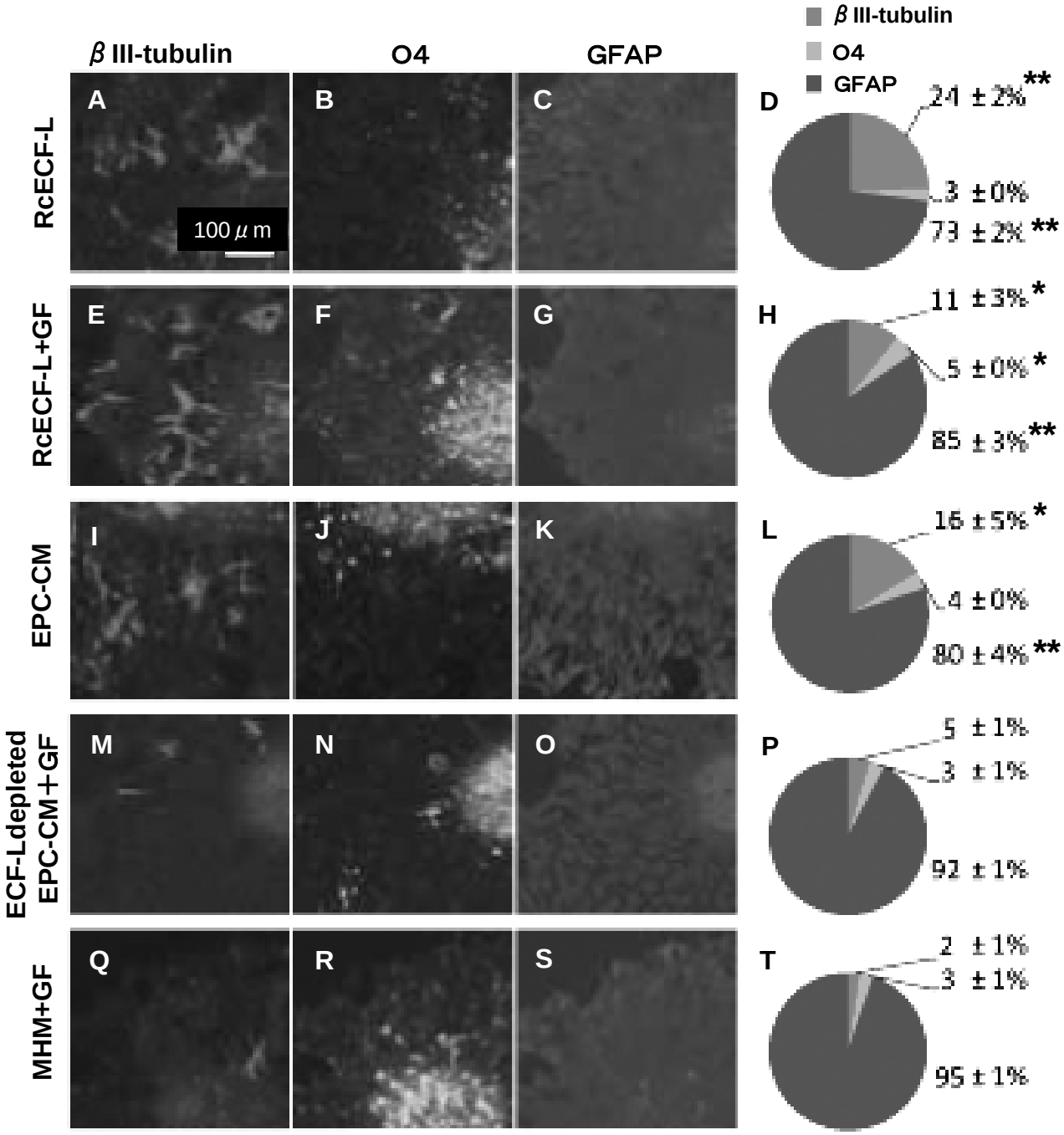
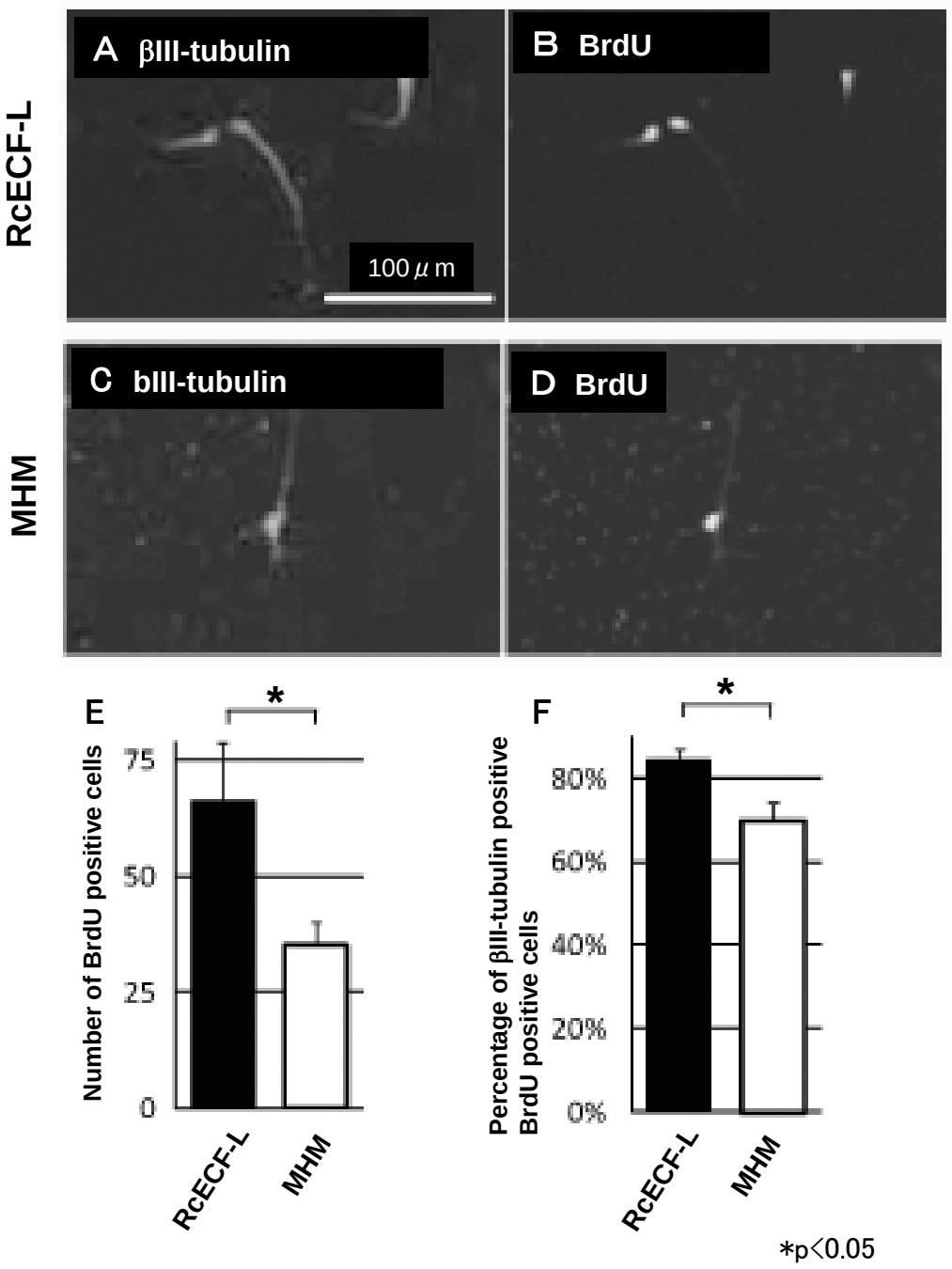


Fig. 17



n=8, *p<0.05, **p<0.001
(Compared with MHM+GF)

Fig. 18


A βIII-tubulin
B BrdU
100 μm
RcECF-L
C bIII-tubulin
D BrdU
MHM
E
*
Number of BrdU positive cells
75
50
25
0
RcECF-L
MHM
F
*
Percentage of βIII-tubulin positive BrdU positive cells
80%
60%
40%
20%
0%
RcECF-L
MHM
*p<0.05