Fig.1

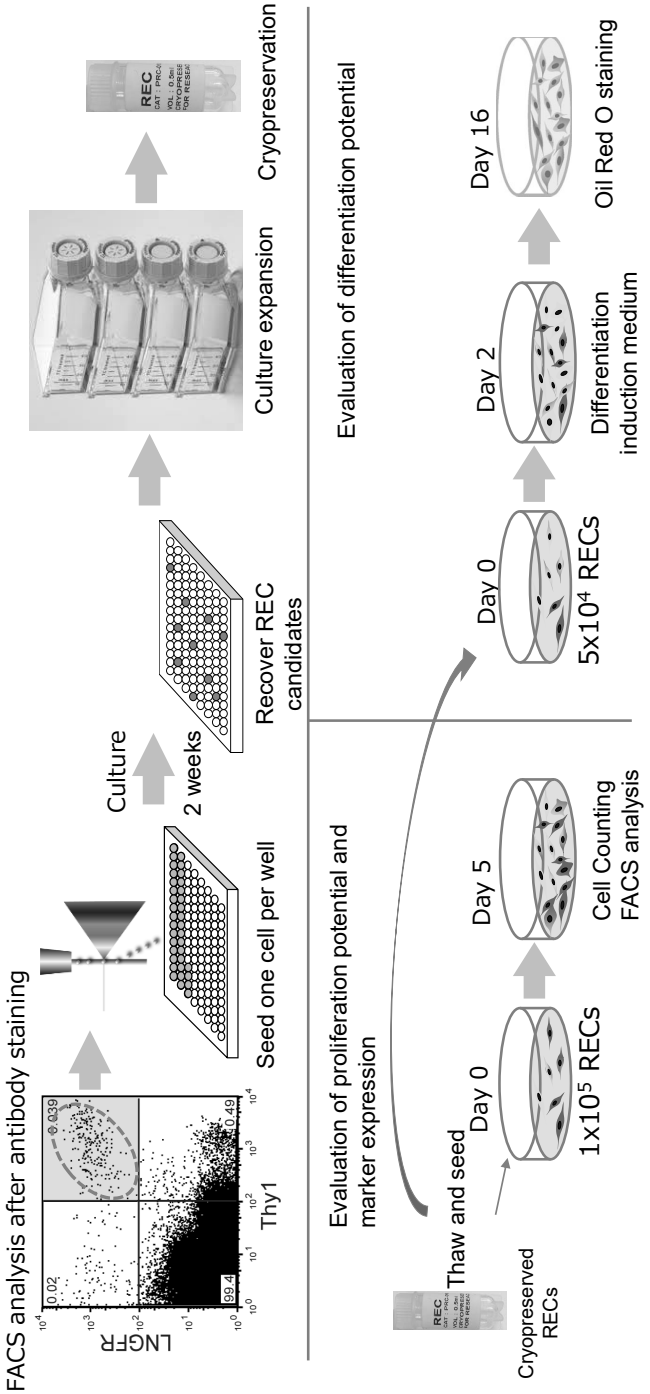
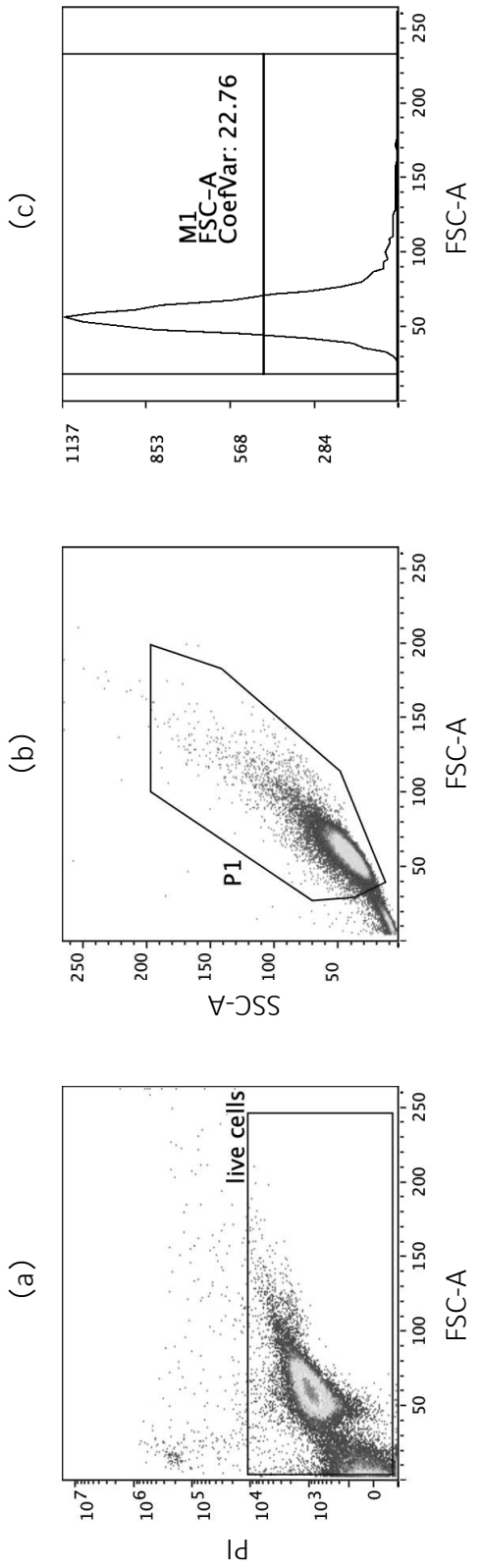
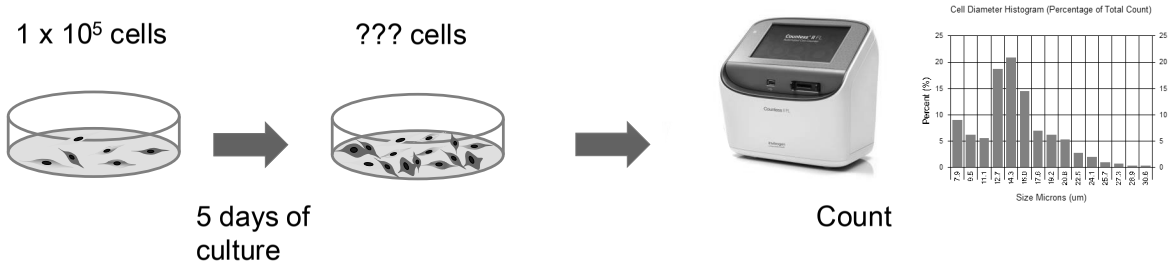

FACS analysis after antibody staining
LNGFR
Thy1
0.02
0.039
99.4
0.49
Seed one cell per well
Culture
2 weeks
Recover REC candidates
Culture expansion
Cryopreservation
REC
Evaluation of differentiation potential
Evaluation of proliferation potential and marker expression
Thaw and seed
Cryopreserved RECs
Day 0
1x10^5 RECs
Day 5
Cell Counting
FACS analysis
Day 0
5x10^4 RECs
Day 2
Differentiation induction medium
Day 16
Oil Red O staining

Fig.2



Evaluation of proliferation potential



Evaluation of adipogenic differentiation potential

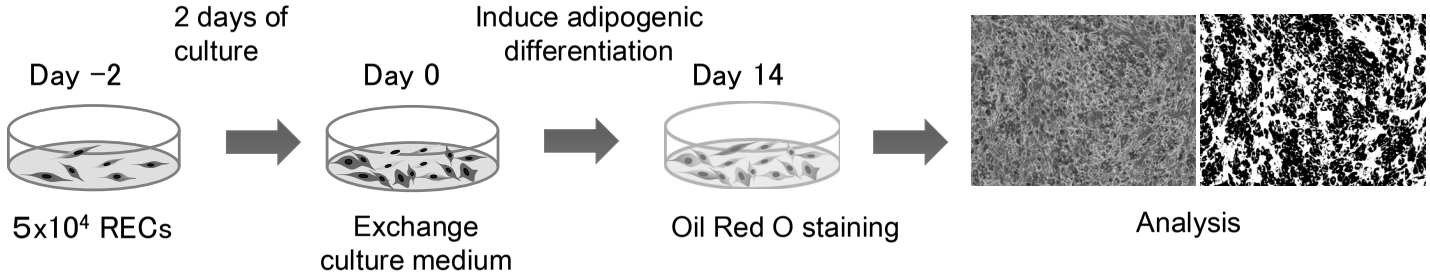


Fig.3

Fig.4

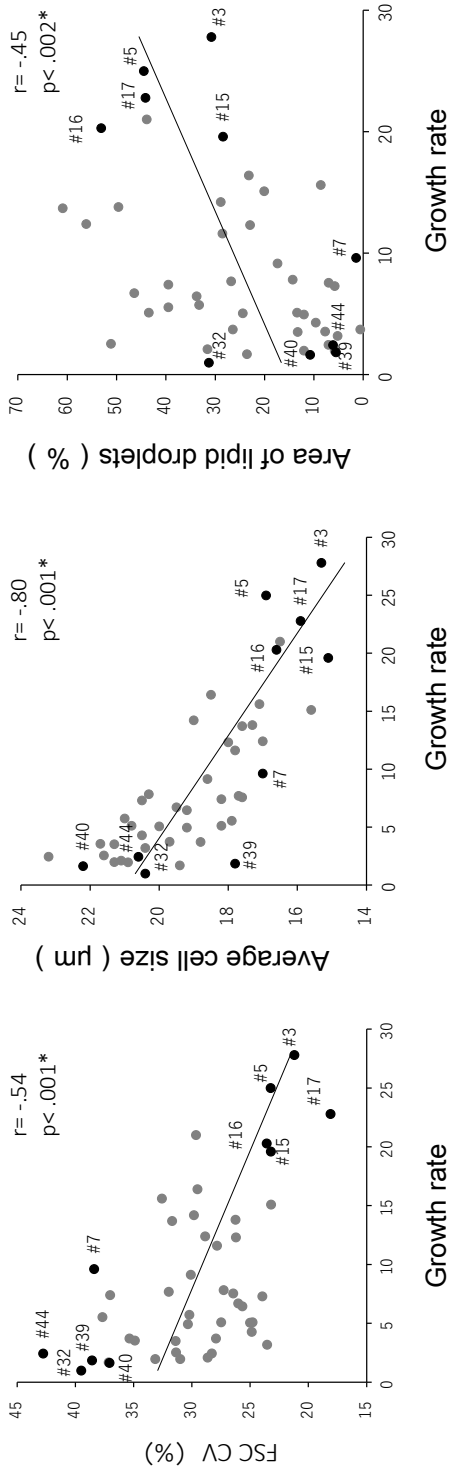

r= -.45
p< .002*
Area of lipid droplets (%)
Growth rate
r= -.80
p< .001*
Average cell size (μm)
Growth rate
r= -.54
p< .001*
FSC CV (%)
Growth rate

Fig.5

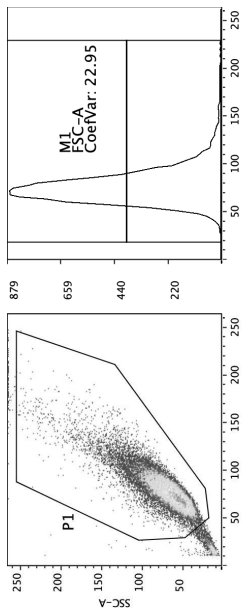
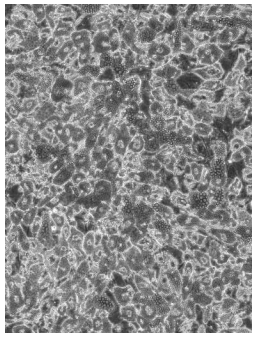
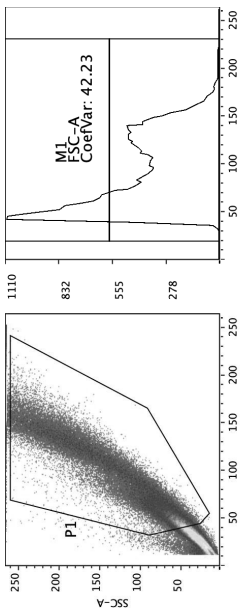
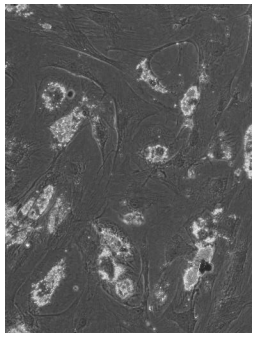
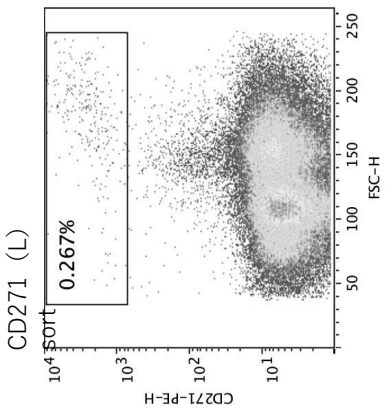
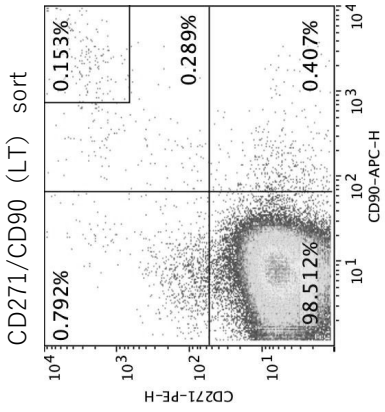
	FSC CV value	Adipogenic differentiation potential	Proliferation potential	Average cell size (μm)
(A)			25.0	16.9
(B)			2.4	20.9

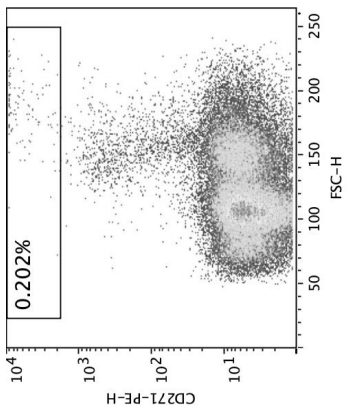
Fig.6



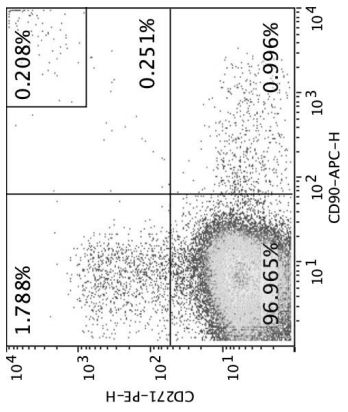
	LT sort	L sort
Colony	10.0%	12.0%
REC	16.7%	13.0%
MEC	39.6%	21.7%
SEC	43.8%	65.2%



BM Lot# 18TL158166



	LT sort	L sort
Colony	8.1%	9.9%
REC	25.6%	10.5%
MEC	38.5%	31.6%
SEC	35.9%	57.9%



BM Lot# 8F5040