

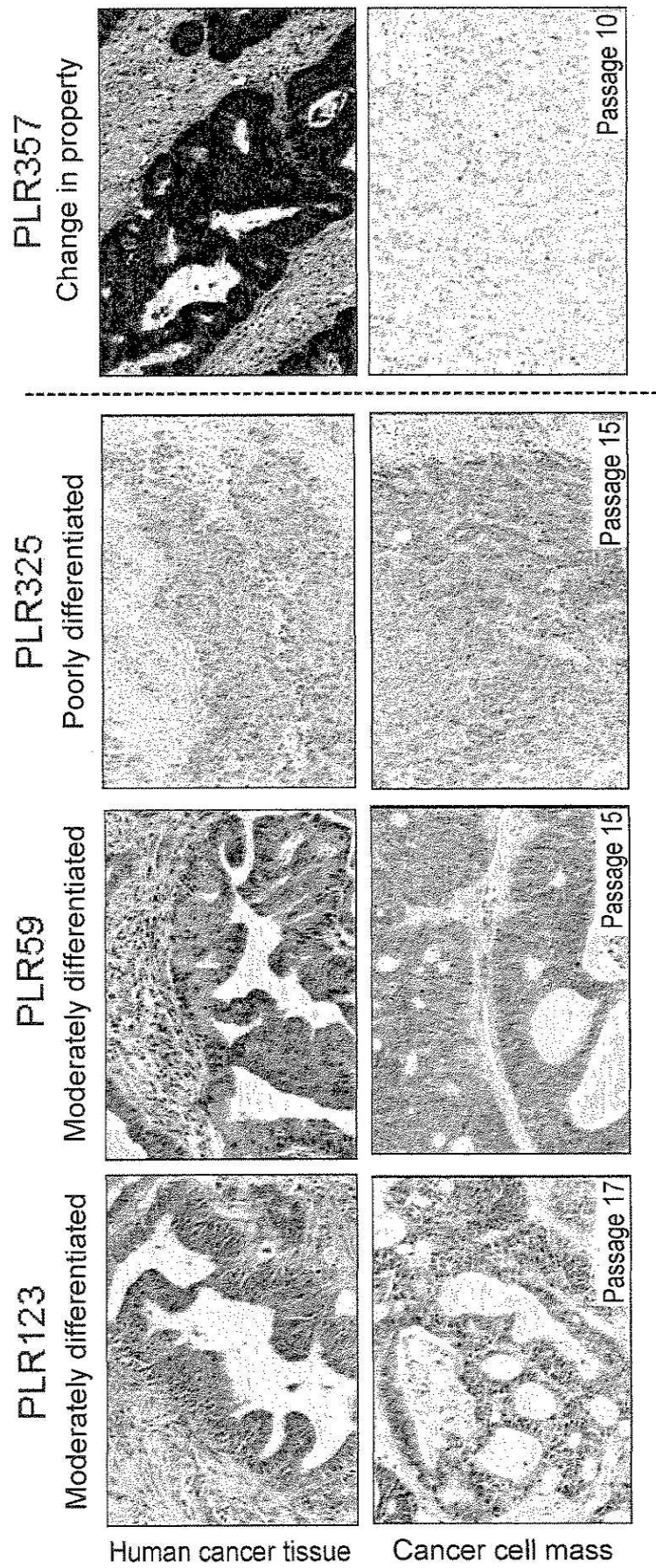
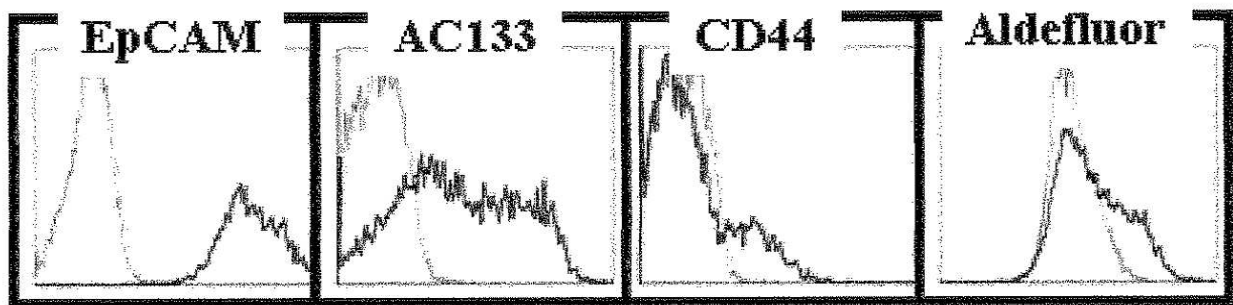
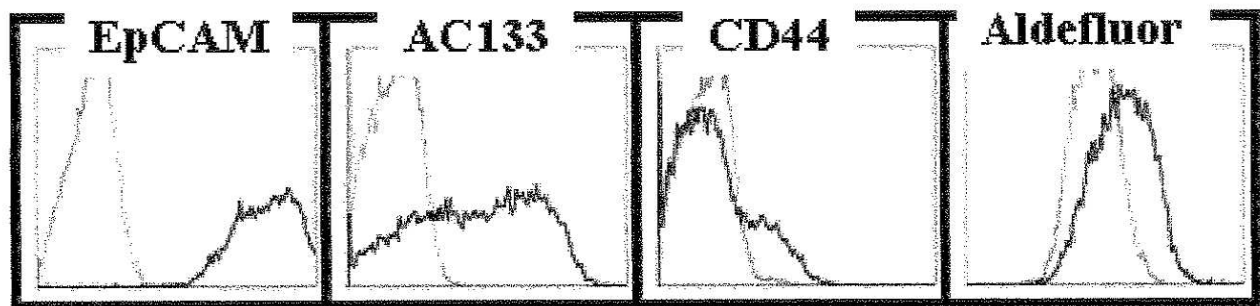


FIG. 1

PLR123



PLR59



PLR325

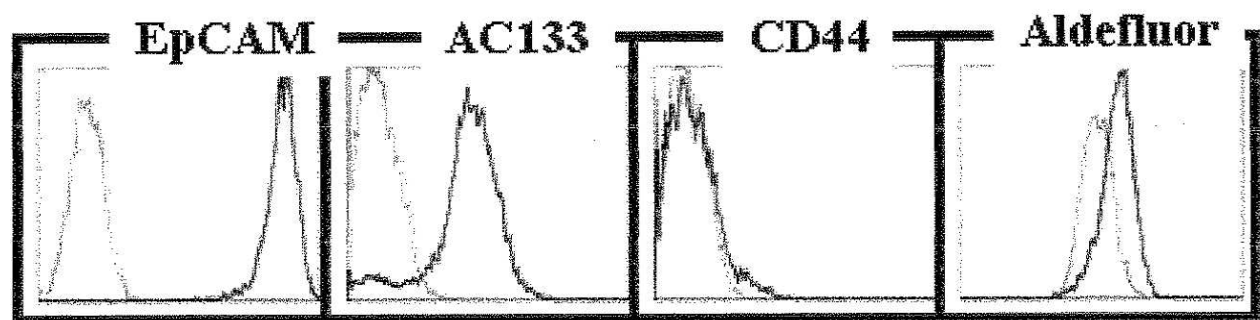


Fig. 2

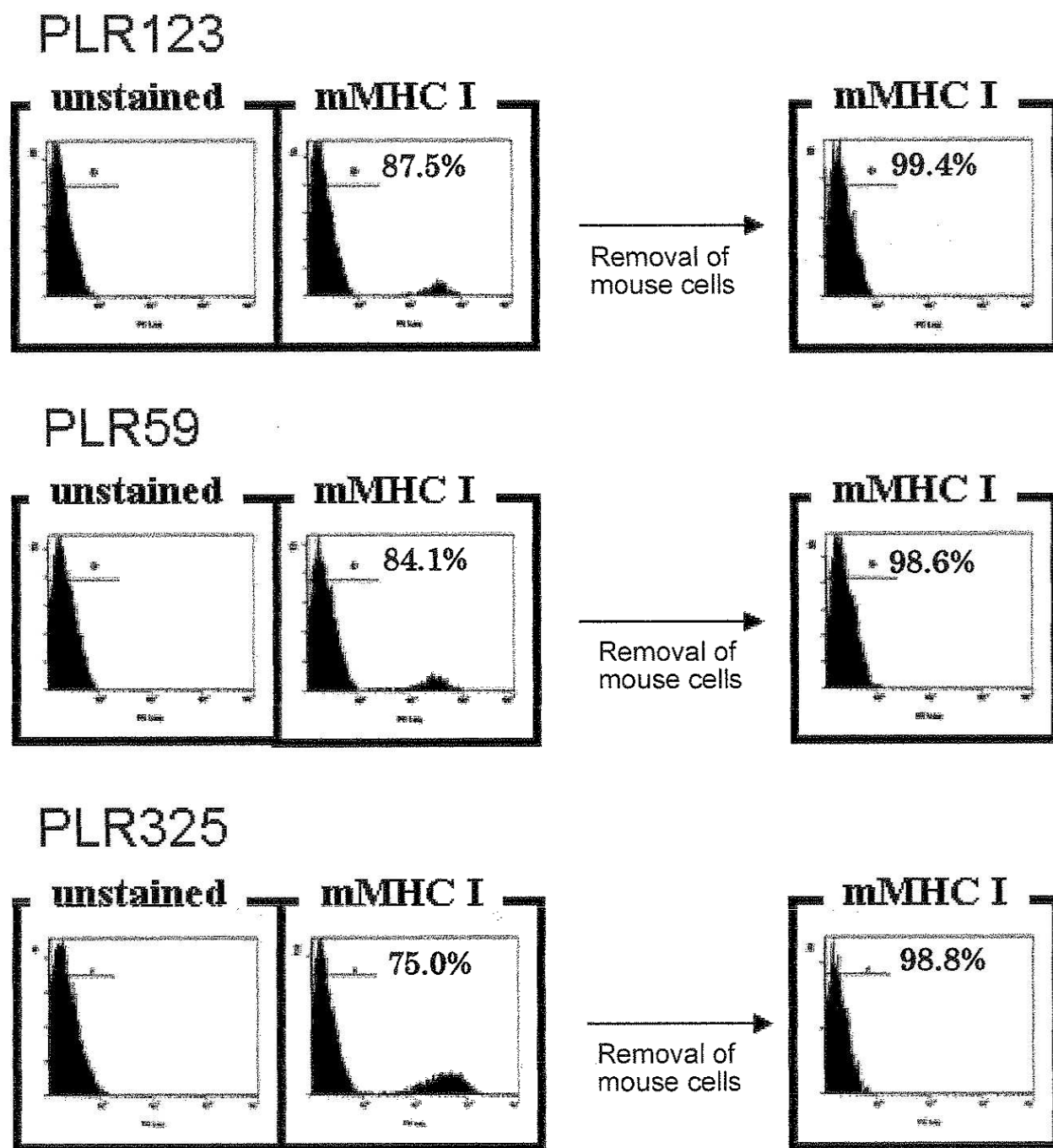


Fig. 3

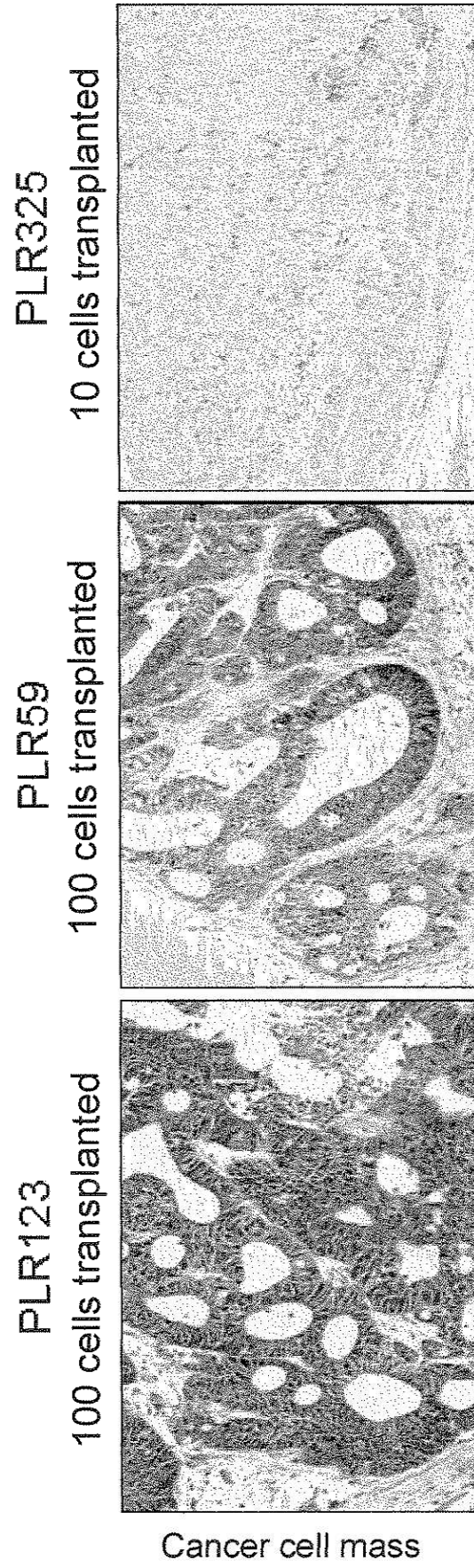


FIG. 4

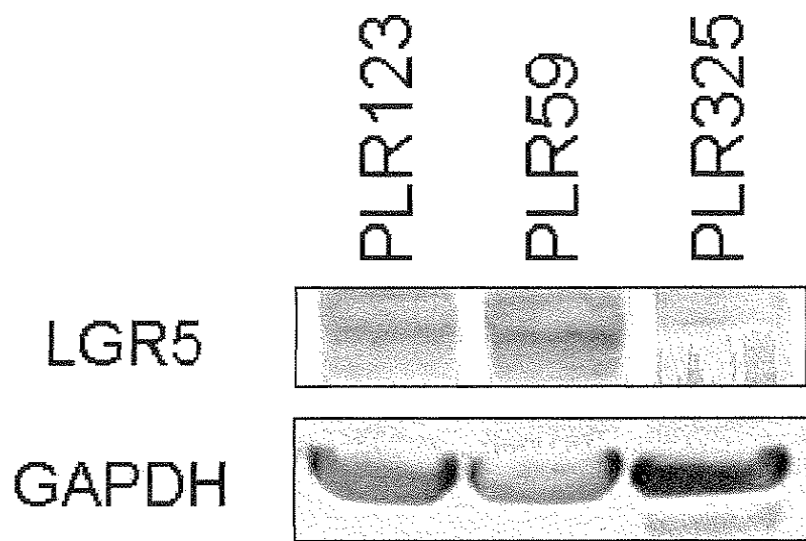


Fig. 5

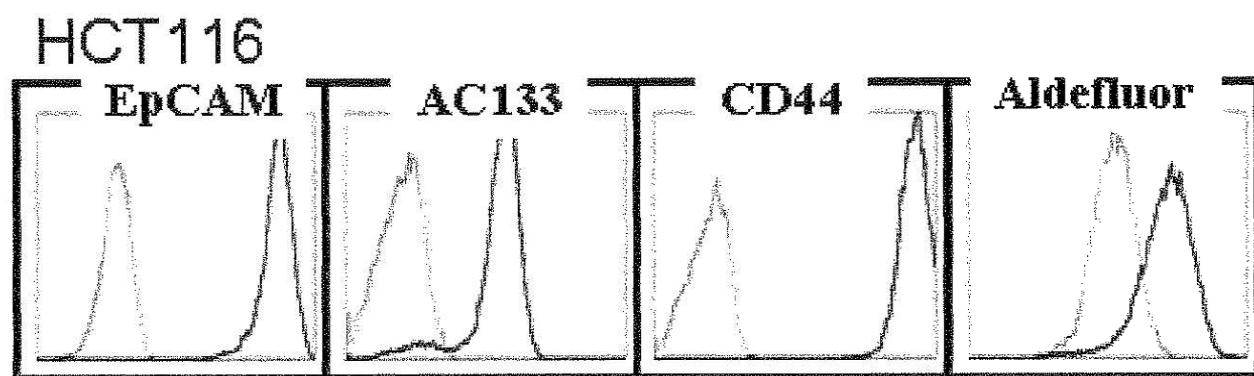


Fig. 6

HCT116

10 cells transplanted

Cancer cell mass

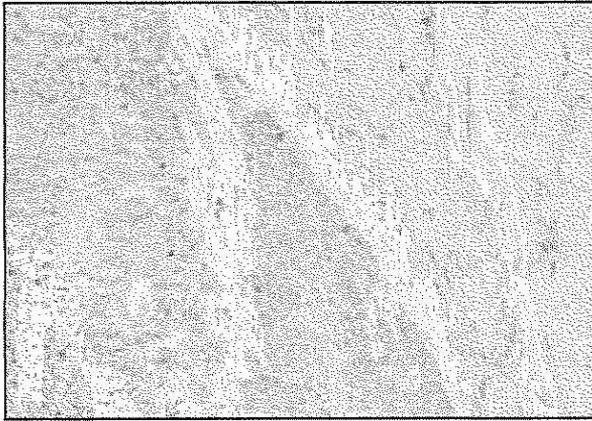


Fig. 7



Fig. 8

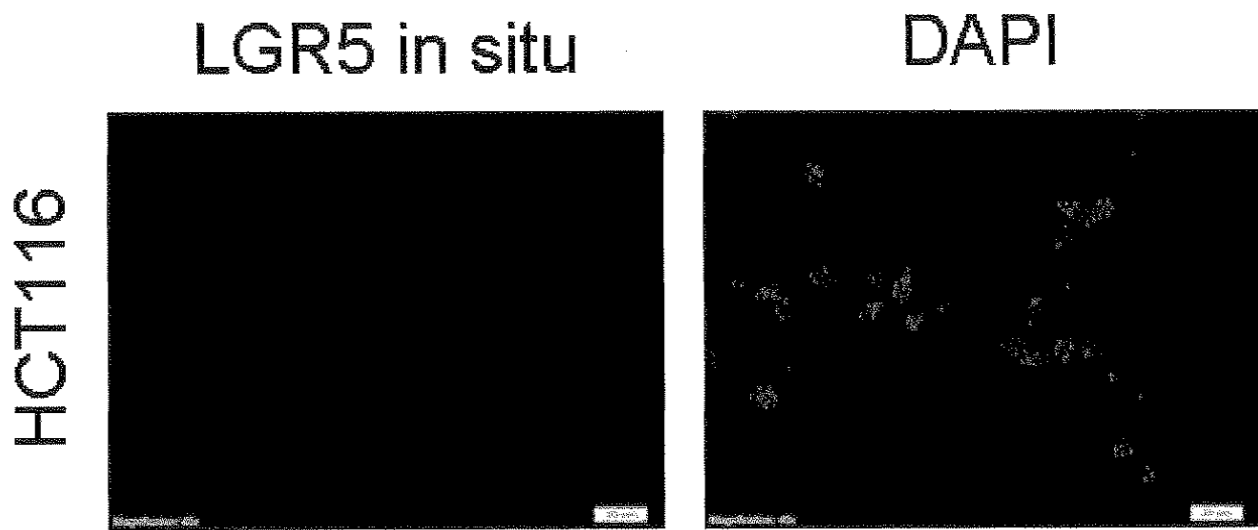


Fig. 9

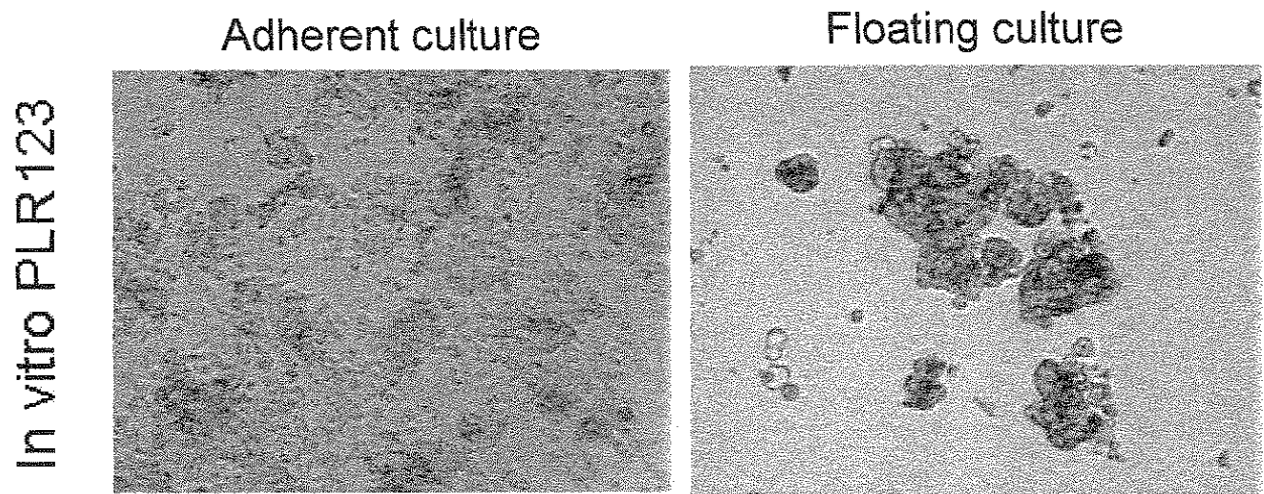
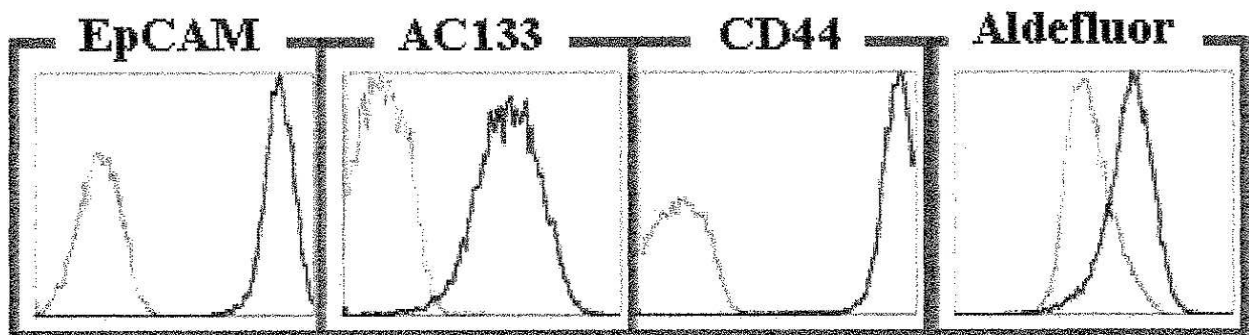


Fig. 10

In vitro PLR123



In vitro PLR59

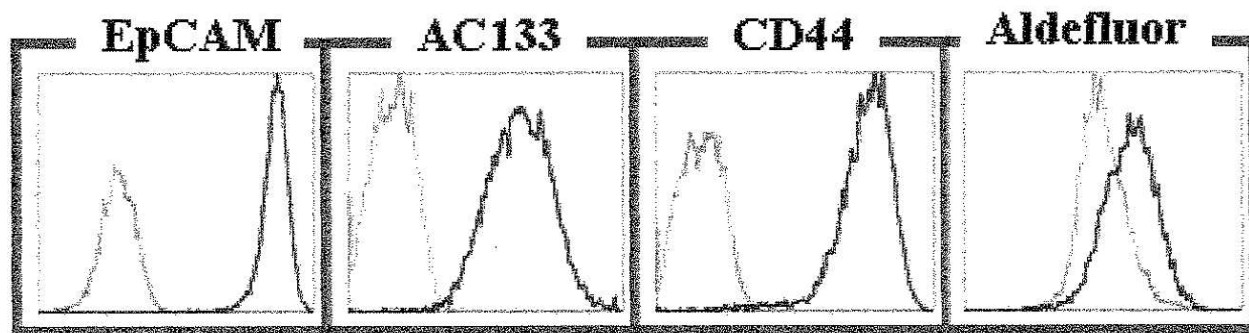


Fig. 11

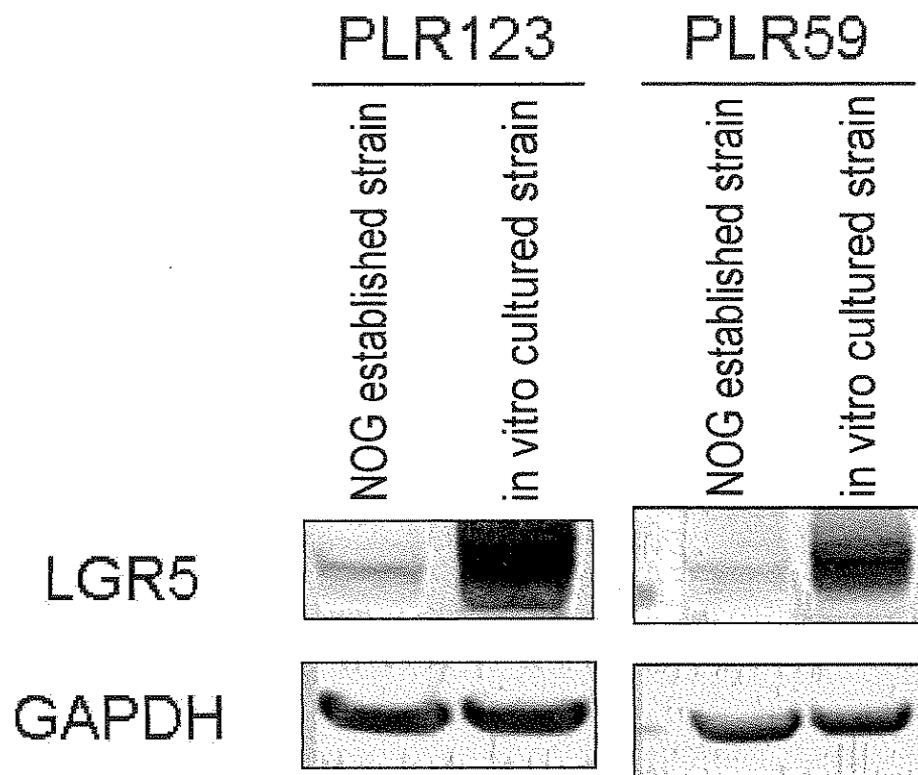


Fig. 12

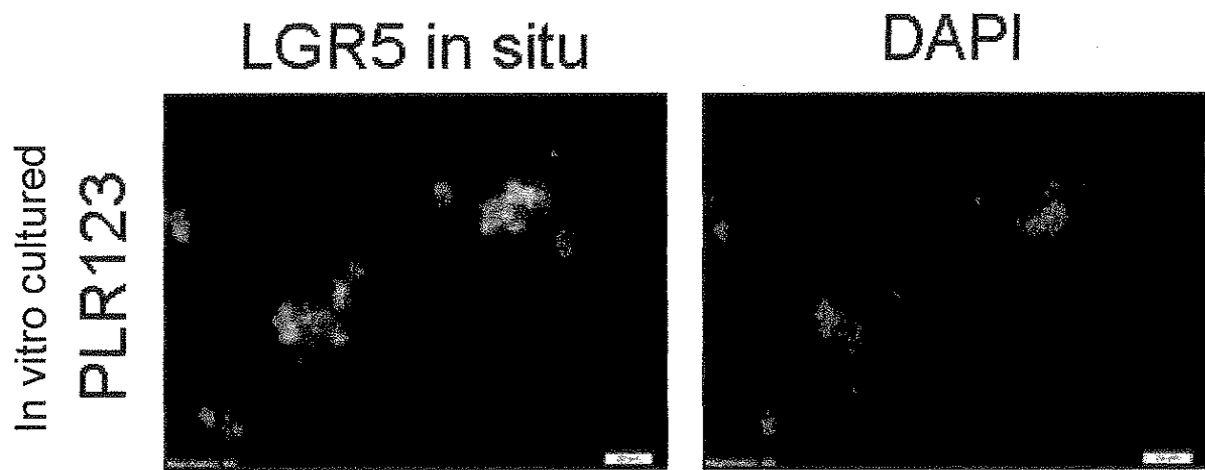
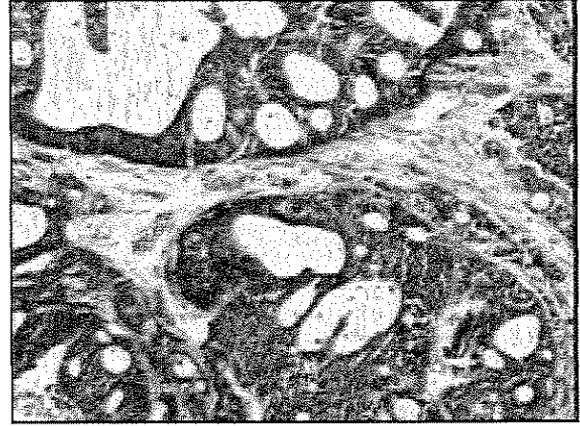
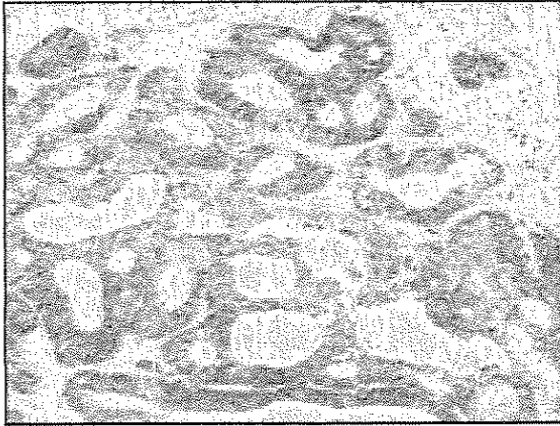


Fig. 13

In vitro PLR123
10 cells transplanted

In vitro PLR59
10 cells transplanted

Cancer cell mass



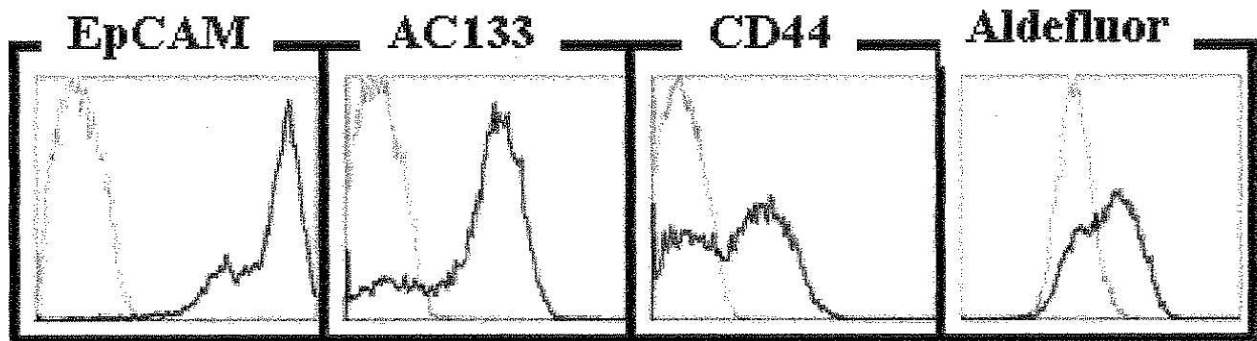
In vitro PLR123
10 cells transplanted

Cancer cell mass

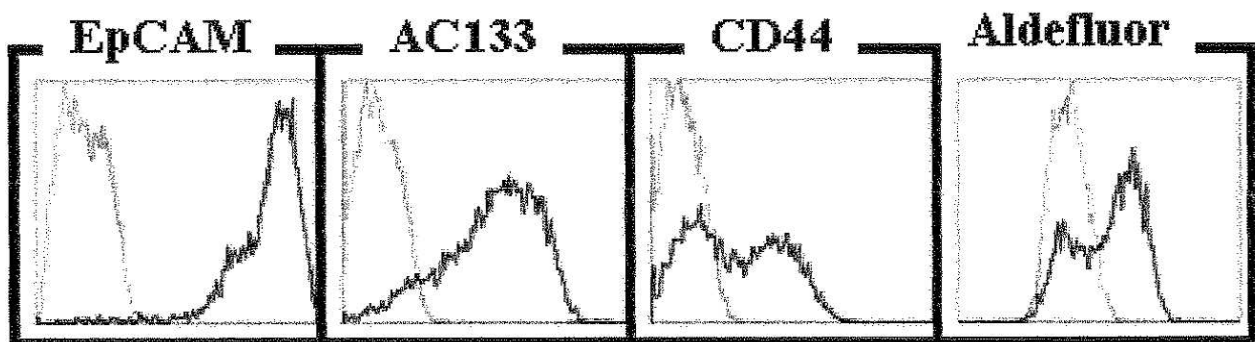


Fig. 14

In vitro PLR123



In vitro PLR123 (Cultured for 35 days)



In vitro PLR59

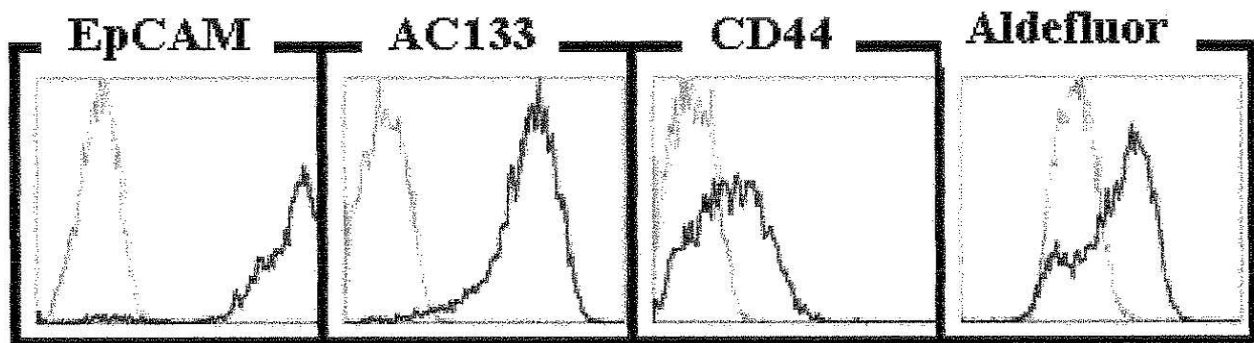


Fig. 15

In vitro PLR123
10 cells transplanted

Cancer cell mass

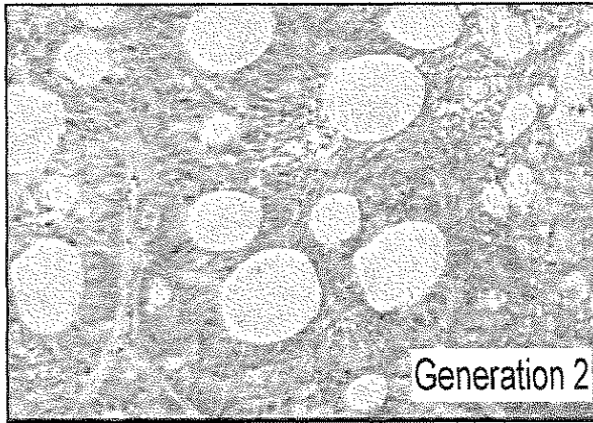


Fig. 16

Hierarchical structure	Transplanted animals	Type of cancer	Transplanted cells	Frequency of cancer cell mass formation		Literature
				100	10	
present	NOG	Colon cancer	All cells	6/6	6/6	The present cancer stem cell population
	Nude	Colon cancer	TOP-GFP strongly positive	2/6	3/6	Nature Cell Biology (2010) 12:5 (468-476)
	NOD/SCID	Adenoid cystic carcinoma	ALDH strongly positive	2/6	-	BBRC (2010) 396:4 (843-848)
	RAG2 ^{-/-} /gc ^{-/-}	Bladder cancer	CD44 positive	1/4	-	PNAS (2009) 106:33 (14016-14021)
	NOD/SCID	Brain tumor	CD133 positive	2/2	-	Nature (2004) 432:7015 (396-401)
	NOD/SCID	Colon cancer	CD133 positive	1/4	-	Nature (2007) 445:7123 (106-110)
	NOD/SCID	Ovarian cancer	All cells	1/3	-	Stem Cells (2009) 27:12 (2875-2883)
	NOD/SCID	Pancreatic cancer	CD44 positive, CD24 positive, ESA positive	6/12	-	Cancer Res (2007) 67:3 (1030-1037)
	NOD/SCID	Pancreatic cancer	CD44 positive, CD24 positive	3/4	-	Cell Stem Cell (2010) 3:7(3) (279-82)
	RAG2 ^{-/-} /gc ^{-/-}	Melanoma	All cells	-	3/3	Nature (2010) 466:7302 (133-137)
	NOD-SCID H2r ^g (-/-)	Melanoma	All cells	-	6/6	Nature (2008) 456:7222 (593-598)
	NOD-SCID	Lung cancer	All cells	4/4	6/6	Cell Stem Cell (2010) 3:7(3) (279-82)
absent	SCID	Colon cancer	CD44 strongly positive	4/5	5/5	Int J Cancer (2009) 124:6 (1312-1321)
	NOD/SCID	Prostate cancer	CD44 positive	10/10	1/4	Oncogene (2006) 25:12 (1696-1708)
	SCID	Melanoma	Spheroid	3/3	-	J Invest Dermatol (2010) 130:7 (1877-1886)
	Nude	Melanoma	Spheroid	2/2	-	Tumor Biol (2009) 30:5-6 (300-309)
	NOD/SCID	Mesenchymal tumor	Side population cells	9/14	-	Cancer Res (2007) 67:17 (8216-8222)
	NOD/SCID	Prostate cancer	All cells	1/8	-	Cancer Res (2008) 68:6 (1820-1825)
	NOD/SCID	Prostate cancer	CD45 positive	5/5	-	Br J Cancer (2008) 98:4 (756-765)
					-: Not performed	

FIG. 17

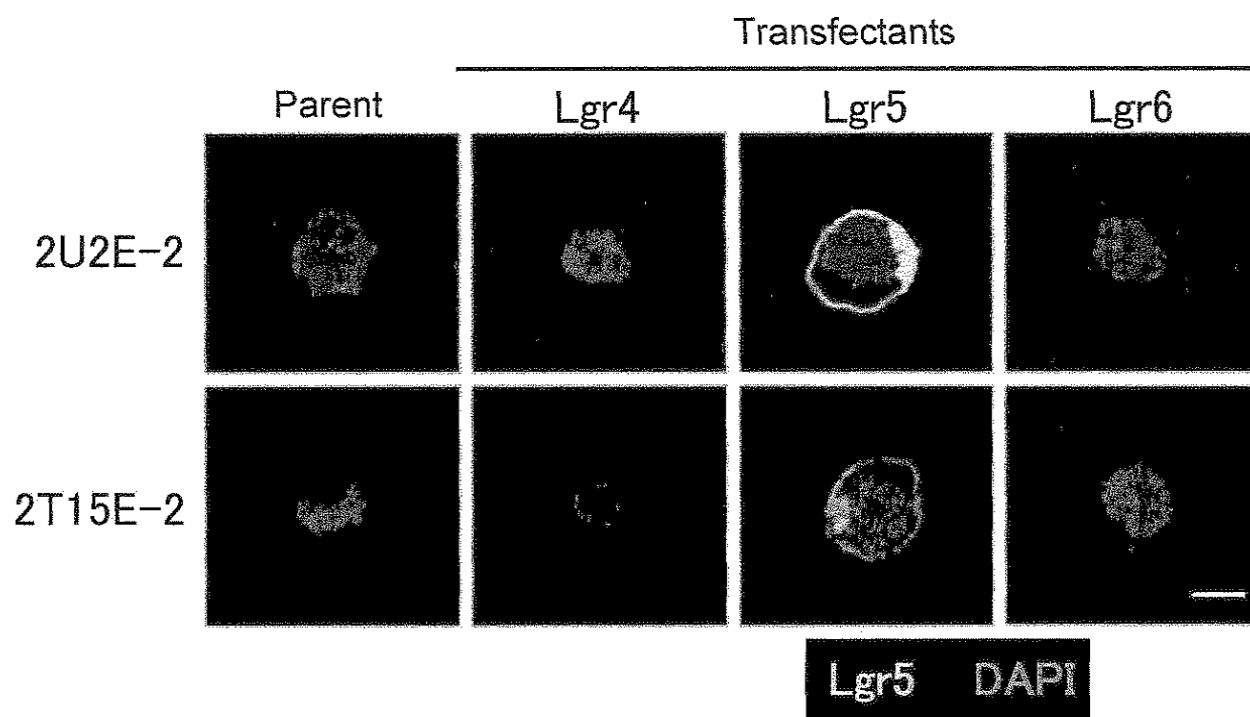


Fig. 18

2T15E-2

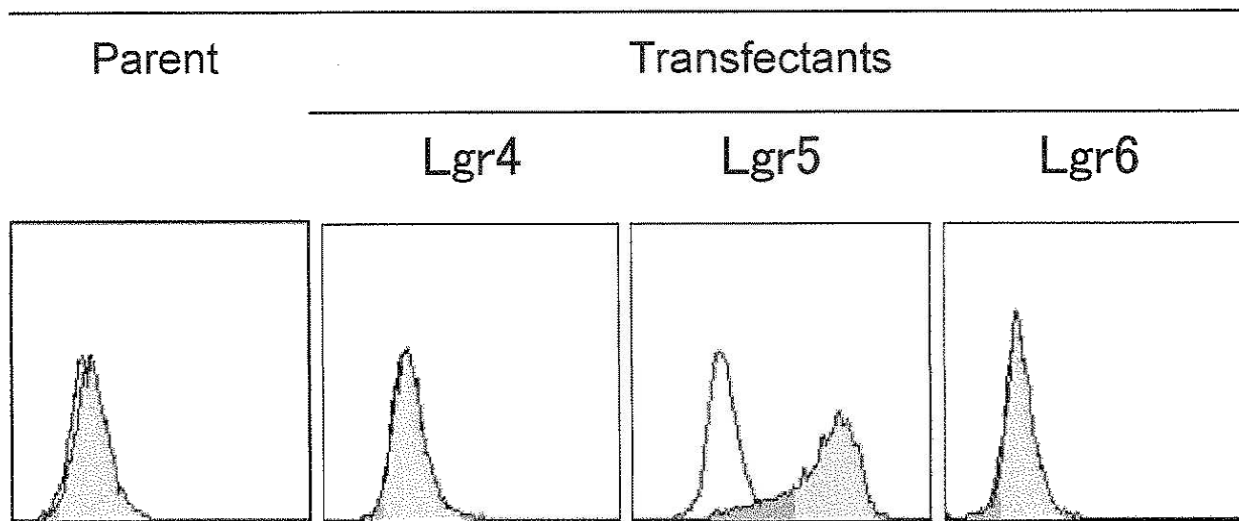


Fig. 19

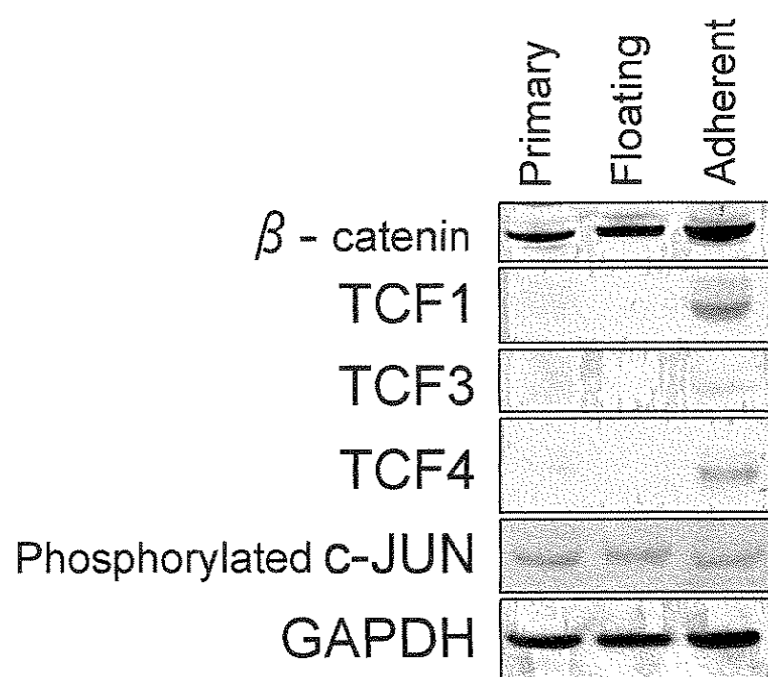


Fig. 20

PLR123

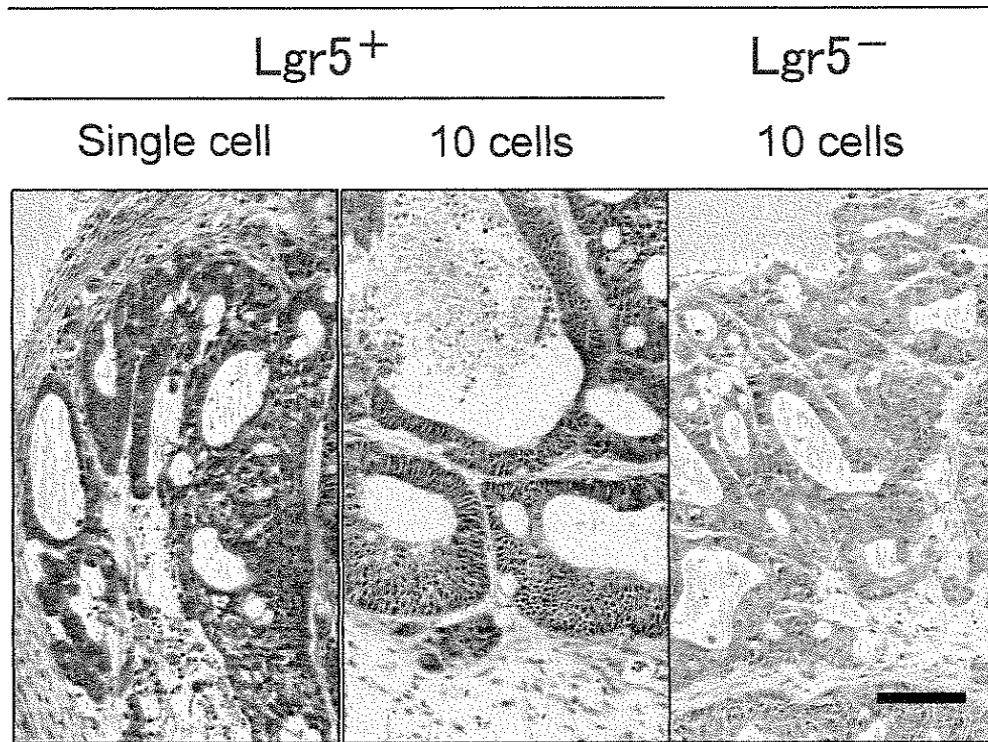


Fig. 21

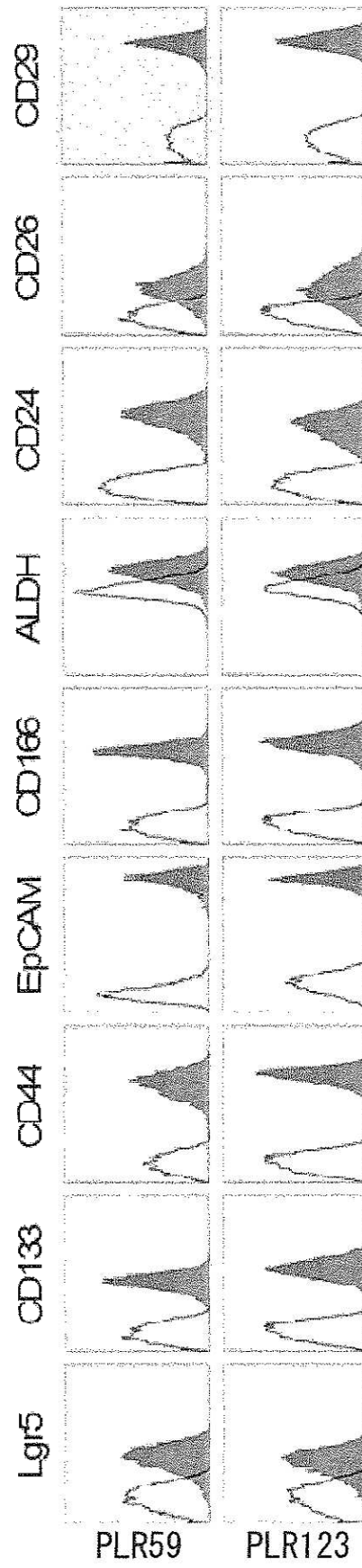


FIG. 22

Cell line	Number of cells per inoculation site		
	1,000	100	10
PLR59	6/6	6/6	6/6
PLR123	6/6	6/6	6/6

Fig. 23

24/41

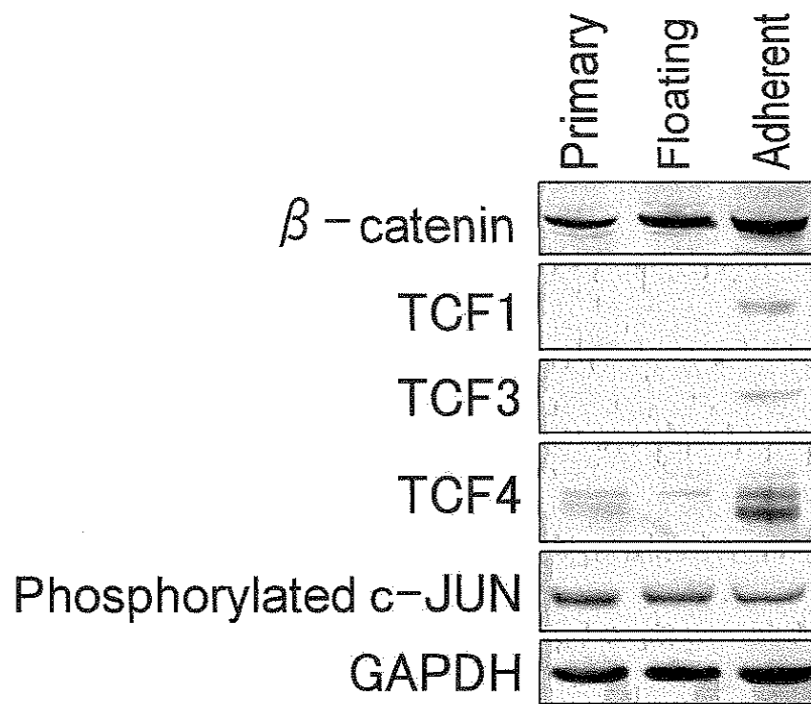


Fig. 24

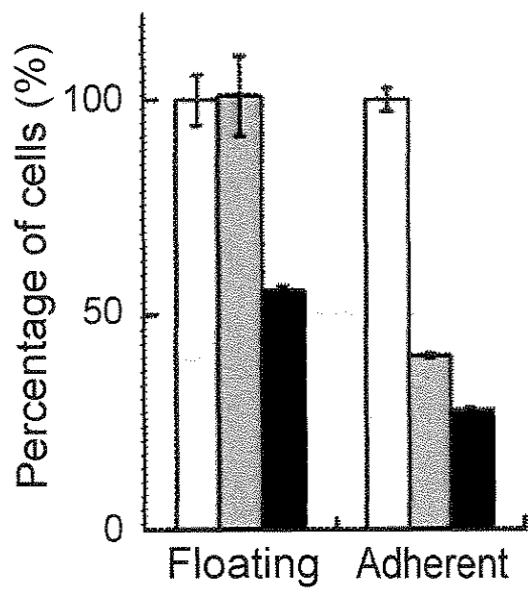


Fig. 25

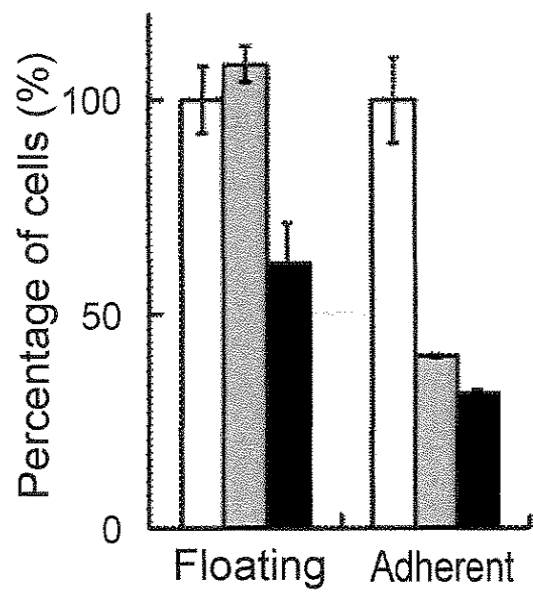


Fig. 26

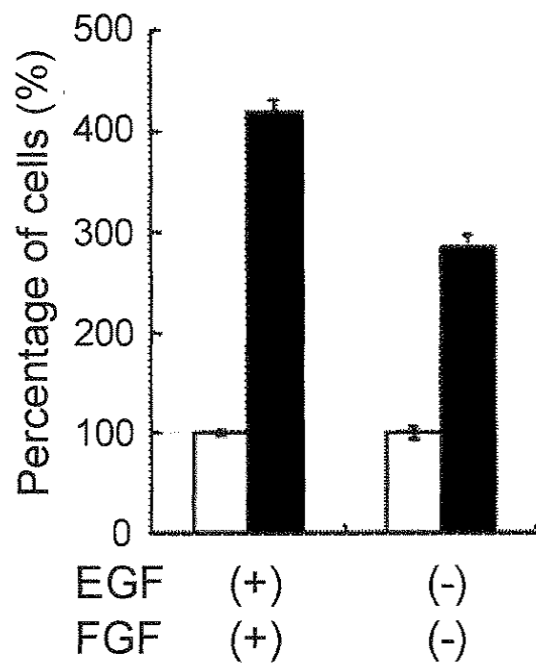


Fig. 27

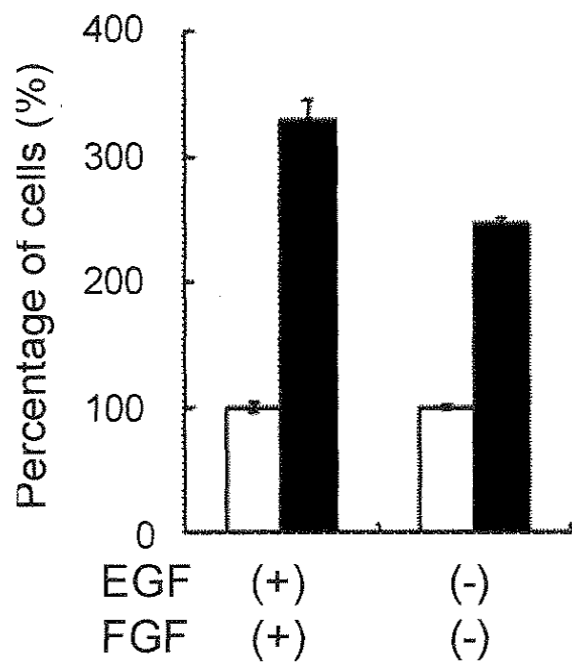


Fig. 28

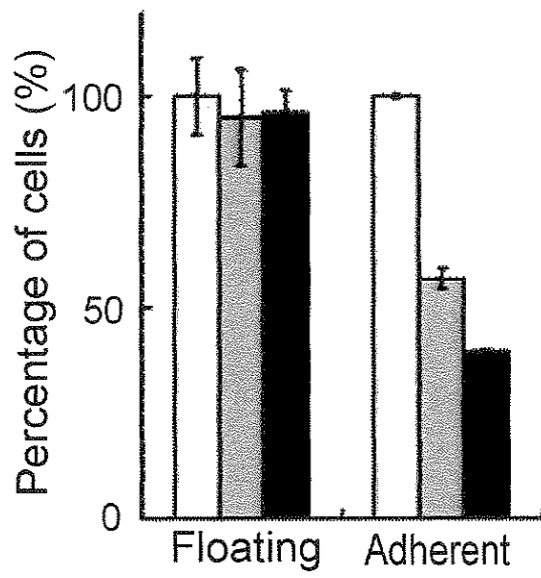


Fig. 29

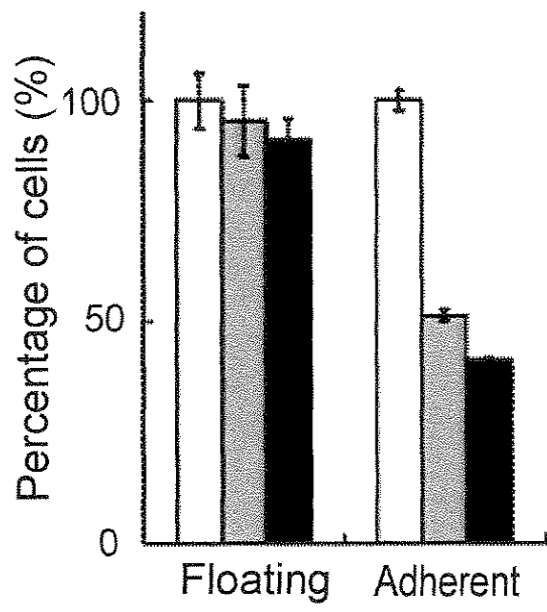


Fig. 30

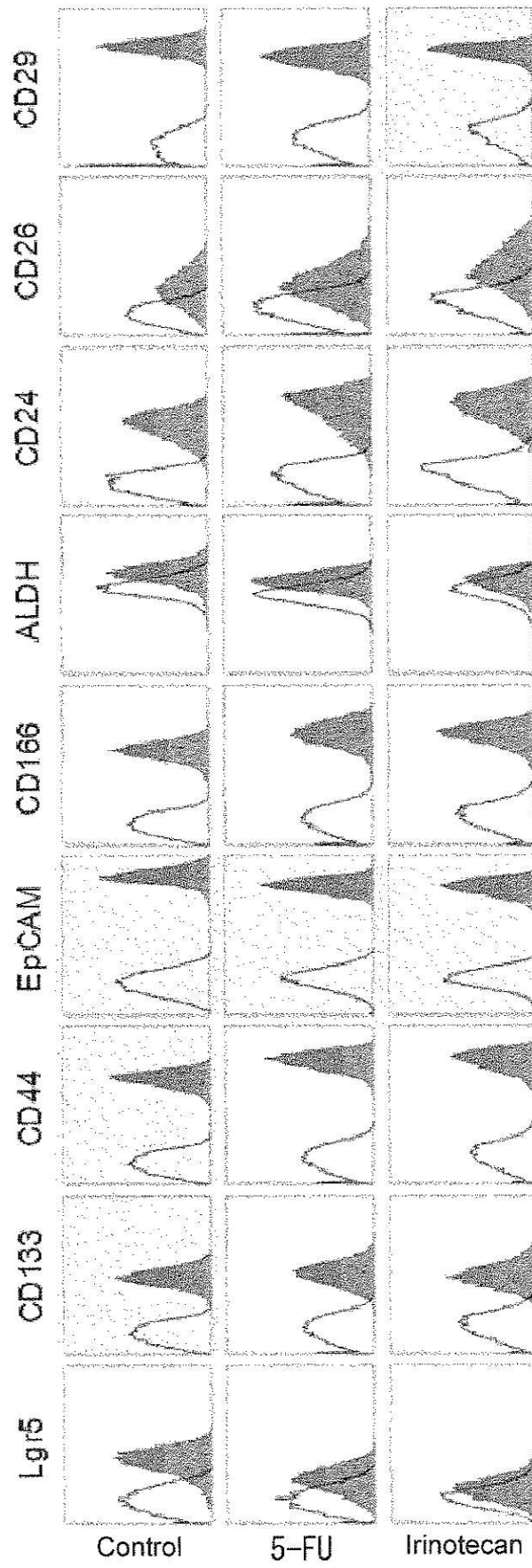


FIG. 31

PLR123

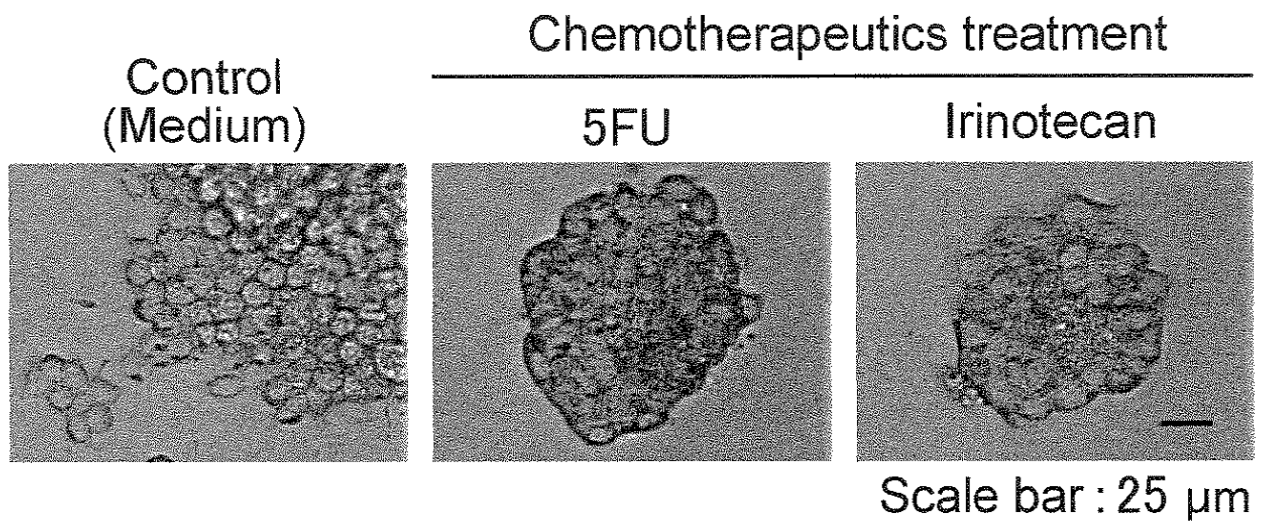


Fig. 32

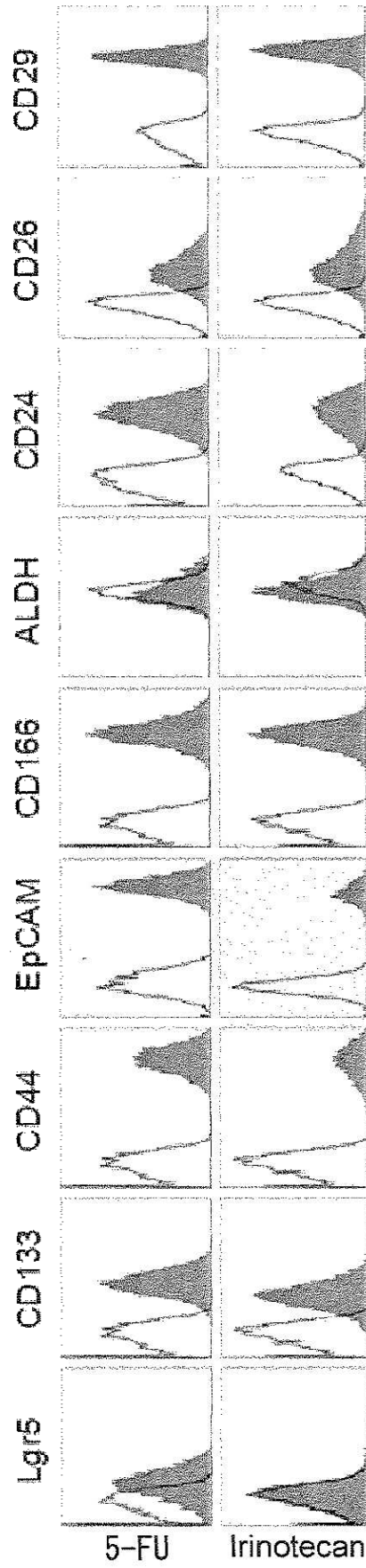


FIG. 33

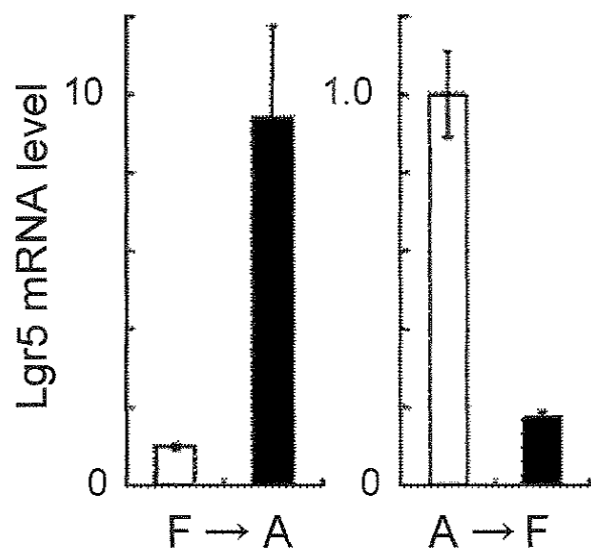
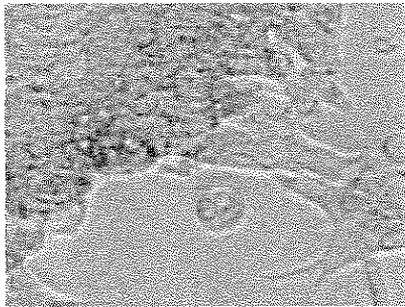


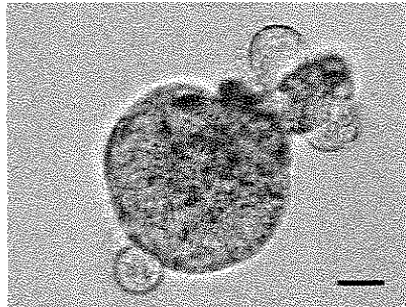
Fig. 34

PLR123

Floating
to adherent



Adherent
to floating



Scale bar : 10 μm

Fig. 35

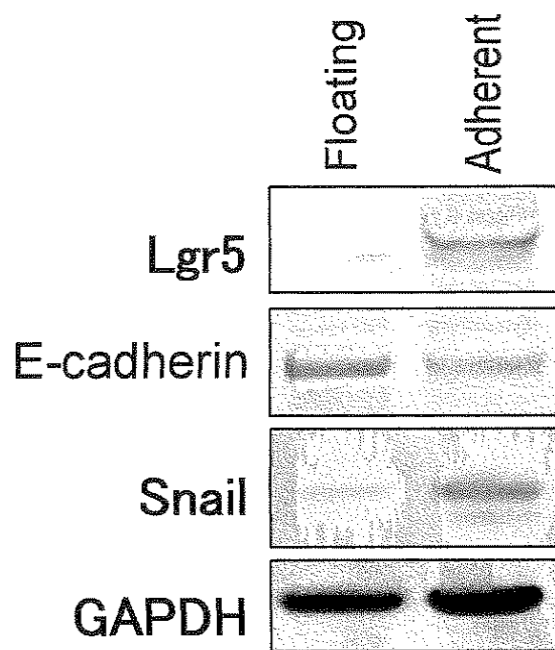


Fig. 36

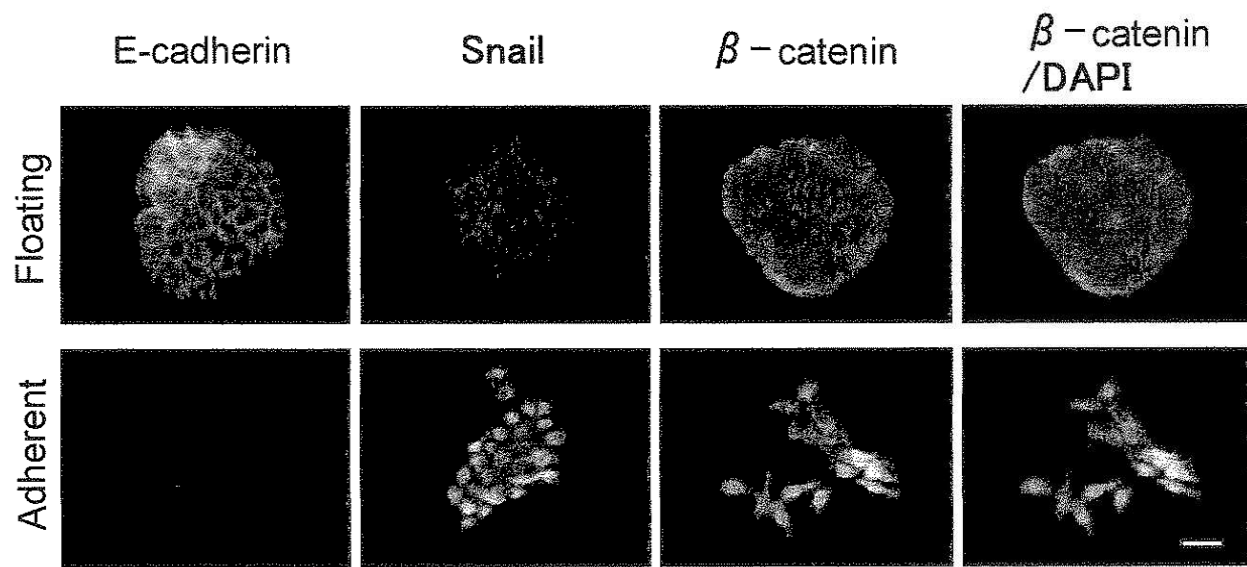


Fig. 37

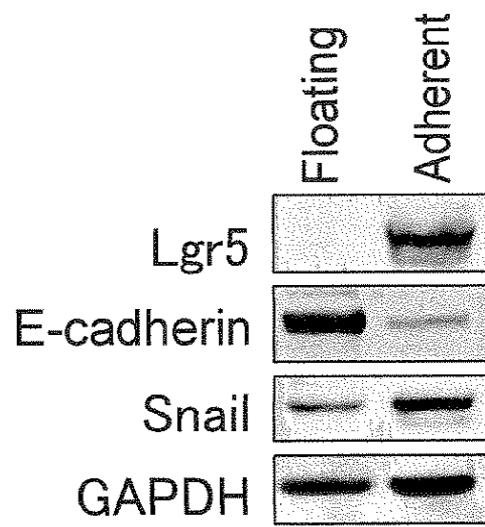
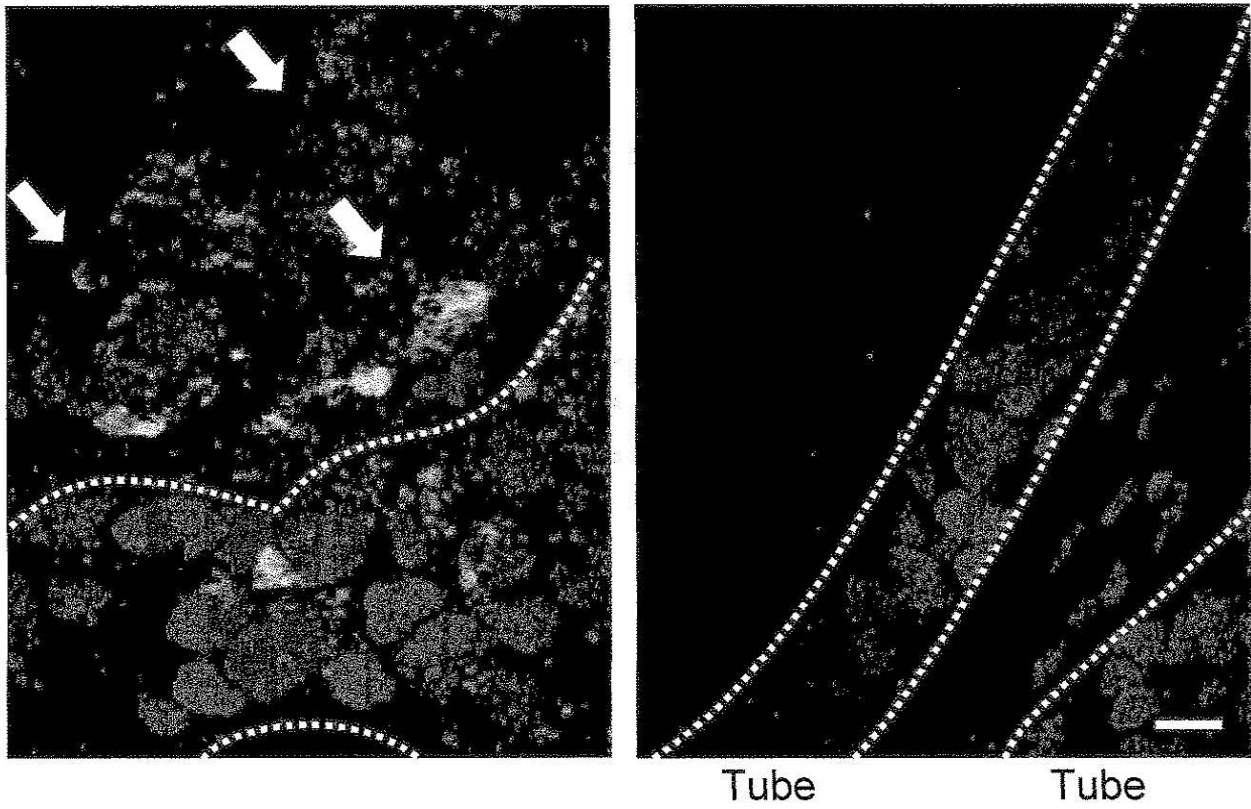


Fig. 38



Lgr5 Snail DAPI

Fig. 39

Organ	Incidence of tumor formation
Lung	5/5
Liver	4/5
Kidney	1/5
Brain, pia mater	1/5
Lymph node, armpit	2/5
Subcutaneous tissue	5/5

Fig. 40

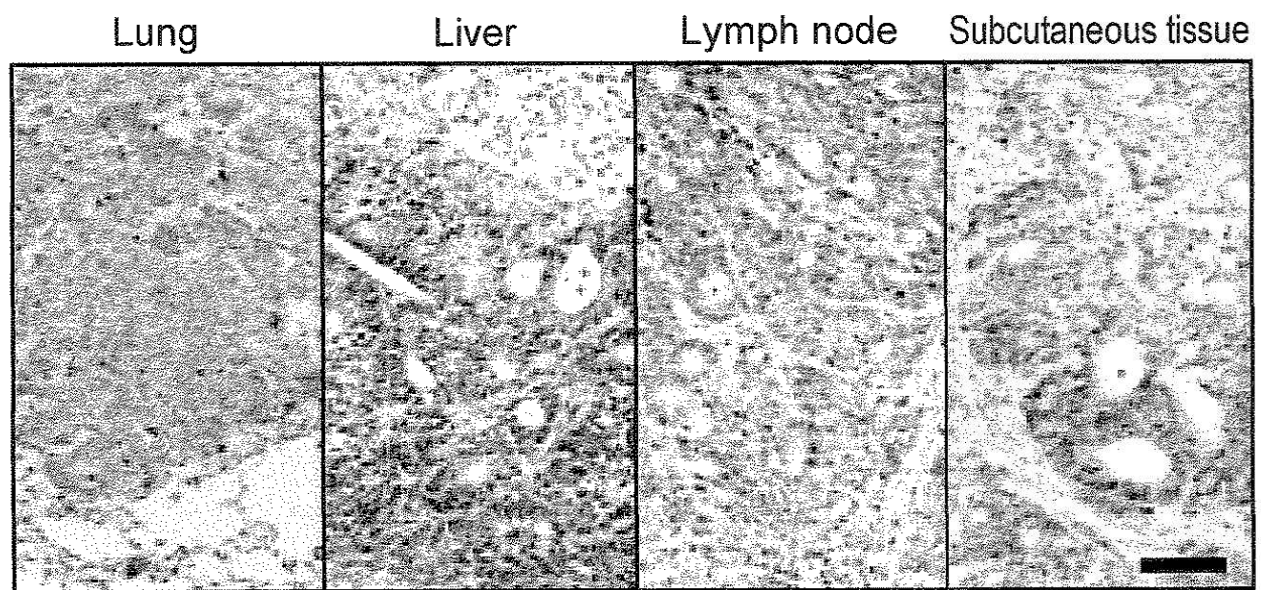


Fig. 41