

Materials List for:

Evaluating the Differentiation Capacity of Mouse Prostate Epithelial Cells Using Organoid Culture

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Materials

Name	Company	Catalog Number	Comments
μ-Dish 35 mm, high	ibidi	81156	
16% Paraformaldehyde	Thermo Fisher Scientific	50-980-487	
4',6-diamidino-2-phenylindole (DAPI)	Thermo Fisher Scientific	D1306	
A83-01	Tocris	2939	
Advanced DMEM/F-12	Thermo Fisher Scientific	12634010	
APC/Cy7 anti-mouse CD326 (Ep-CAM) Antibody, 100 μg	BioLegend	118218	
B-27 Supplement (50x), Serum Free	Thermo Fisher Scientific	17504044	
Complete Protease Inhibitor Cocktail	Sigma	11836145001	
(DiHydro)testosterone (5α-Androstan-17β-ol-3-one)	Sigma	A-8380	
Dispase II, Powder	Thermo Fisher Scientific	17-105-041	
Fetal Bovine Serum (FBS)	Sigma	F8667	
FITC anti-mouse CD31 Antibody (0.5 mg/mL, 50 μg)	BioLegend	102405	
FITC anti-mouse CD45 Antibody (0.5 mg/mL, 50 μg)	BioLegend	103107	
FITC anti-mouse TER-119/ Erythroid Cells Antibody (0.5 mg/mL, 50 μg)	BioLegend	116205	
Goat anti-mouse IgG-Alexa Fluor 488	Invitrogen	A28175	
Goat anti-rabbit IgG-Alexa Fluor 594	Invitrogen	A11012	
GlutaMAX	Thermo Fisher Scientific	35050061	
Halt Phosphatase Inhibitor	Thermo Fisher Scientific	78428	
Matrigel GFR Membrane Matrix	Corning	CB-40230C	
Mouse anti-cytokeratin 8	BioLegend	904804	
N-acetyl-L-cysteine	Sigma	A9165	
Normocin	Thermo Fisher Scientific	ant-nr-1	

PE anti-human/mouse CD49f Antibody	BioLegend	313612	
Penicillin-Streptomycin (10,000 U/mL)	Thermo Fisher Scientific	15-140-122	
Poly(2-hydroxyethyl methacrylate) (Poly-HEMA)	Sigma	P3932-25G	
Rabbit anti-p63	BioLegend	619002	
Radioimmunoprecipitation assay (RIPA)	Thermo Fisher Scientific	PI89901	
Recombinant Human EGF, Animal-Free	PeproTech	AF-100-15	
Recombinant Human Noggin	PeproTech	120-10C	
RPMI 1640 Medium, HEPES (cs of 10)	Thermo Fisher Scientific	22400105	
Sonic Dismembrator	Thermo Fisher Scientific	FB120	
Sucrose	Sigma	S0389-500G	
Triton X-100	Sigma	X100-5ML	
Y-27632 dihydrochloride (ROCK inhibitor)	Selleck Chemical	S1049-50MG	