

Materials List for:

Use of Anti-phospho-girdin Antibodies to Visualize Intestinal Tuft Cells in Free-Floating Mouse Jejunum Cryosections

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Materials

Name	Company	Catalog Number	Comments
Slc:DDY 6-week-old female mice	Chubu Kagaku Shizai	Not applicable	
Disodium hydrogenphosphate 12-water (Na ₂ HPO ₄ ·12H ₂ O)	Wako	196-02835	
Sodium dihydrogenphosphate Dihydrate (NaH ₂ PO ₄ ·2H ₂ O)	Wako	199-02825	
Sodium chloride (NaCl)	Wako	199-10665	
Triton X-100, Polyoxyethylene(10) octylphenyl ether	Katayama Chemical	Not applicable	
Sucrose	Wako	190-00013	
10% buffered neutral formalin solution	Muto Chemical	20215	Step 1.3.
Phalloidin-fluorescent dye conjugate, Alexa Fluor 594 phalloidin	ThermoFisher Scientific	A12381	
Methanol	Nacalai Tesque	21915-35	
DAPI (4',6-diamidino-2-phenylindole, dihydrochloride)	ThermoFisher Scientific	D1306	
N,N-dimethylformamide (DMF)	Nacalai Tesque	13015-75	
Bovine serum albumin	Sigma	A9647-10G	
18-gauge stainless steel straight needle	Terumo	NN-1838R	
U.S.P. 6-0, 60 cm nylon cut suture, Crownjun	Kono Seisakusho	Not applicable	
22-gauge winged needle	Terumo	SV-22DLK	
20 mL TERUMO syringe	Terumo	SS-20ES	
50 mL centrifuge tube	TPP	91050	
15 mL Iwaki centrifuge tubes	Iwaki	2325-015	
1.5 mL micro test tube	Star	RSV-MTT1.5	
Gelatin powder, Gelare-blanc	Nitta Biolab	2809	
Embedding compound for frozen tissue specimen, O.C.T. Compound 118 mL 12 piece	Sakura FineTech	4583	
Cryomold, CRYO DISH No. 3, 125 piece, well size 20 x 25 x 5 (mm)	Shoei Work's	1101-3	
Isopentane	Nacalai Tesque	26404-75	
Falcon cell culture dish 35 x 10mm Easy-Grip	Corning	353001	

Antigen retrieval solution concentrate, Target Retrieval Solution pH 9 10x	Dako	S2367	Antigen retrieval solution concentrate in step 4.2.2.
Protein Block	Dako	X0909	Blocking solution in 4.2.5.
Phospho-Y1798 girdin (pY1798) antibodies	Immuno-Biological Laboratories (IBL) = Company X	28143	Phospho-Y1798 girdin antibodies in step 4.2.6.
Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	ThermoFisher Scientific	A11034	
Aquous mounting media, Prolong Gold Antifade Mountant	ThermoFisher Scientific	P36930	
Coverslips, Matsunami Micro Cover Glass 22 x 22 mm 100 pcs Thickness No.1	Matsunami Glass	C022221	
Entellan New, xylene-based mounting media for microscopy	Merck Millipore	107961	
MAS-coated slide glass white	Matsunami Glass	MI-MAS-01	
Wooden Mappe KO-type	Shoei Work's	99-40007	
Immersion Oil 518 F Fluorescence Free 20 ml	Zeiss	444960	
Pipettes, Pipetman P (P2, P20, P200, P1000)	Gilson	F144801, F123600, F123601, F123602	
Ultrapure water production system	Advantec	GS-590	
Plastic glove, Star Nitrile Glove	Star	RSU-NGVM	
Cryostat	Leica Microsystems	CM1950	
Deep freezer, SANYO Ultra Low	Sanyo	MDF-382	
Showcase refrigerator	Nihon Freezer	NC-ME50EC	
Water bath, Thermominder SDminiN (to dissolve gelatin at 50 C)	Taitec	0068750-000	
Hybridization incubator (for antigen retrieval at 50 C)	Taitec	HB-100	
Incubation chamber for immunostaining	Cosmo Bio	10DO	
Reciprocal shaker for immunohistochemistry (for room temperature)	Taitec	NR-1	
Reciprocal shaker for immunohistochemistry (for 4 C)	Tokyo Rika Kikai	MMS-3010	
Stereoscopic microscope (for tissue handling)	Olympus	SZ61	
Stereoscopic microscope (for Figure 1B)	Leica Microsystems	M165FC	
Fluorescence microscope (for Figure 3)	Nikon	E800	
Confocal laser-scanning microscope	Zeiss	LSM700	