

Materials List for:

Cryosectioning Method for Microdissection of Murine Colonic Mucosa

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Materials

Name	Company	Catalog Number	Comments
Microtome	Leica Biosystems, Nussloch Germany	CM 1510-3	
MyiQ real time PCR detector	BioRad		
LSM 510	Carl Zeiss		Confocal microscope
OCT	Tissue-Tek, Sakura Finetek, Torrance CA	4583	
cryo-mold	Tissue-Tek, Sakura Finetek, Torrance CA	4557	25mmx20mmx5mm
High profile microtome blade	Leica Biosystems, Nussloch germany	818	
GEM industrial blades	American Safety Razor Blades	62-0314	
Sylgard silicon elastomere base	Dow Corning, Midland MI	3097358	
27 1/2 g needle	Becton-Dickinson, Franklin Lakes, NJ	305109	pins for dissection
TRizol	Life Technologies	15596018	
Rneasy	Qiagen	74104	
DNase	Qiagen	79254	
Antibody ZO-1	Invitrogen	187430	
Antibody KLF4	Cell Signaling	4038S	
Antibody mGAPDH	Sigma	G8795	
Antibody Secondary Alexa conjugate	Invitrogen	A11034	488 anti-rabbit
Antibody Secondary HRP conjugate	Jackson	111/115-001-003	rabbit/mouse
Topro-3	Invitrogen	T3605	
HANKs balanced salt buffer	Life Technologies	14025092	
RIPA lysis buffer			50mM Tris-HCl pH 7.4 150mM NaCl 1% NP40 0.25% Na-deoxycholate
primer TBP 3'			GGAATTGTACCGCAGCTTCAAA
primer TBP 5'			GATGACTGCAGCAAATCGCTT
primer KLF4 3'			TGTGACTATGCAGGCTGTGGCAA
primer KLF4 5'			ACAGTGGAAGGTTTCTCGCTGT