

Materials List for:

Visualization of the Interstitial Cells of Cajal (ICC) Network in Mice

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Materials

Name	Company	Catalog Number	Comments
rat anti-Kit antibody (clone ACK-2)	eBioscience	14-1172	Use at 2µg/ml. Epitope is lost with overfixation.
rat anti-Kit antibody (clone ACK-4)	Cedarlane Labs	CL8936AP	Use at 2µg/ml.
rabbit anti-KIT antibody (clone D13A2)	Cell Signaling Technology	3074	Use at 1:100 dilution. Only antibody listed here that works well in paraffin sections.
rabbit anti-Pgp9.5 antibody	Abcam	ab10404	Labels neuronal cell cytoplasm. Useful for marking neurons of the myenteric plexus. Use at 1:1000 dilution.
rabbit anti-Ano1 antibody	Abcam	ab53212	Use at 2µg/ml
Alexa Fluor 594 goat anti-rat IgG	Invitrogen	A-11007	Use at 2µg/ml
Alexa Fluor 488 goat anti-rabbit IgG	Invitrogen	A-11008	Use at 2µg/ml
Animal Feeding Needle	Fisher Scientific	01-208-87	Silicon tipped needle useful for flushing GI tract of adult mice
Blunt Needle	BD Biosciences	305180	Blunt needle useful for flushing GI tract of pre-weaned pups
ProLong Gold antifade reagent with DAPI	Invitrogen	P-36931	May use alternative hard-setting mounting media with DAPI
Tissue-Tek Cryomold	Tissue-Tek	4557	
Tissue-Tek O.C.T.	Tissue-Tek	4583	
32% Paraformaldehyde (10ml sealed ampoule)	Electron Microscopy Sciences	15714	Open sealed ampoule and dilute to 4% just before use
Blocking buffer			5% Goat serum, 0.1% Triton X-100 in PBS