

Materials List for:

Indirect Immunofluorescence on Frozen Sections of Mouse Mammary Gland

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Materials

Name	Company	Catalog Number	Comments
Dissection			
Pins			
Ethanol			
Scissors			
Scalpel and adapted blades			
Ice			
Towel paper			
Tissue sample preparation	Company	Catalog Number	Comments/Description
Phosphate Buffered Saline (pH7.4)	Sigma	P-3813	
Paraformaldehyde (PFA, 32% EM grade, 100 ml)	Electron Microscopy Sciences	15714-S	personal protection equipment required WARNING: this product will expose you to Formaldehyde Gas, a chemical known to cause cancer
OCT compound/Tissue Tek	Sakura	4583	
Sucrose (D-saccharose)	VWR	27480.294	
Plastic molds	Dominique Dutscher	39910	
Liquid nitrogen			
Cryostat/sample support	Leica	CM3050S	
Razor blades (SEC35)	Thermo Scientific	152200	
Slide box			
Glass slides Superfrost/Superfrost Ultra Plus	Thermo Scientific	10143560W90/1014356190	
Brushes			
IHC	Company	Catalog Number	Comments/Description
Super Pap Pen	Sigma	Z377821-1EA	
Permanent marker (black)			
50 mM NH ₄ Cl in PBS	Sigma	A-0171	
0.1 M glycine in PBS	VWR	24403.367	
Antigen Retrieval solution: Tris 100 mM 5% urea pH9.6			
Heater (up to 100°C)			
Bovine Serum Albumin (BSA)	Sigma	A7906-100G	
Vectashield (anti-fading mounting medium) without DAPI/with DAPI	Vector Laboratories	H-1000/H-1200	
Glass coverslips 22x50mm (microscopy grade)	VWR	CORN2980-225	
Nail polish			

Primary antibodies	Company	Catalog Number	Comments/Description
Rabbit anti-mouse caseins (#7781; 1:50 dilution)	generously gifted by M.C. Neville (University of Colorado Health Sciences Center, USA)		
Mouse anti-cytokeratin 8 (CK8, clone 1E8, 1:50 dilution)	Biolegend (Covance)	MMS-162P	
Mouse anti-cytokeratin 14 (CK14, clone LL002, 1:50 dilution)	Thermo Scientific	MS-115-P0/P1	
Rabbit anti-butyrophilin (1:300 dilution)	generously gifted by I.H. Mather (Department of Animal and Avian Sciences University of Maryland College Park, USA)		
Rabbit anti-Stx6 (1:50 dilution)	generously gifted S. Tooze (Cancer Research UK, London Research Institute, London, UK)		
Rabbit anti-VAMP4 (1:50 dilution)	Abcam	ab3348	
Secondary antibodies	Company	Catalog Number	Comments/Description
Rhodamine-conjugated goat anti-rabbit IgG (H + L) (1:300 dilution)	Jackson ImmunoResearch Laboratories	111-025-003	
Counterstains	Company	Catalog Number	Comments/Description
Bodipy 493/503	Life Technologies (Molecular Probes)	D-3922	
DAPI (4-6-diamidino-2-phenylindole)	Life Technologies (Molecular Probes)	D-1306	
Observation/Image capture	Company	Catalog Number	Comments/Description
conventional fluorescence microscope	Leica Leitz DMRB microscope		Standard filters for FITC, Rhodamine and DAPI emissions, ×63 oil-immersion objective (NA 1.3), DP50 imaging camera (Olympus), CellF software (Olympus)
Laser Scanning Microscope (confocal microscopy)	Zeiss LSM 510 microscope		Plan-Apochromat ×63 oil-immersion objective (NA 1.4), CLSM 510 software, Confocal facilities, MIMA2 Platform, INRA Jouy-en-Josas, France, http://mima2.jouy.inra.fr/mima2)
Image treatment	Company	Catalog Number	Comments/Description
ImageJ 1.49k software			Free software