

Materials List for

Immunohistochemical Staining: A Method for Obtaining Spatial Information from Thin Tissue Sections

1

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Materials

Name	Company	Catalog Number	Comments
GMA sectioning			
Glass microscope slides	ThermoFisher Scientific	10143562CEF	Cut edges, frosted end
Poly-L-Lysine solution	Sigma-Aldrich	P8920-500mL	1:10 for working solution
Sheet glass strips for ultramicrotomy	Alkar		
Tween 20	Sigma-Aldrich	P2287	Wash solution (0.1% Tween20)
LKB 7800B Knifemaker	LKB		
Capsule splitter	TAAB laboratories	C065	
Carbon steel single edge blades	TAAB laboratories	B054	
Vice			
Ammonia, 25%	VWR	1133.1	2 ml in 1 L, 1:500 (0.05%)
Microtome	Leica		Leica RM 2165
Light source	Leica		Leica CLS 150 XE
Microscope with swing arm stand	Leica		Leica MZ6
GMA Immunohistochemistry			
Diamond tipped pen	Histolab	5218	
Hydrogen peroxide 30% solution	AnalaR Normapur	23619.264	
Sodium azide	Sigma-Aldrich	S8032	
Tris	Roche	10708976001	
Sodium chloride	VWR chemicals	27810.295	
Bovine serum albumin	Millipore	82-045-2	Probumin BSA diagnostic grade
Dulbecco's modified eagle medium (DMEM)	Sigma-Aldrich	D5546	
Anti-human CD45 antibody	BioLegend	304002	Mouse monoclonal, clone HI30, isotype IgG1k. Working concentration of 500 ng/ml
Anti-human CD1a antibody AbD	Serotech	MCA80GA	Mouse monoclonal, clone NA1/34-HLK, isotype IgG2a. Working concentration of 10 µg/ml
Mouse monoclonal IgG1 isotype control	Abcam	ab27479	
Mouse monoclonal IgG2a isotype control	Dako	X094301-2	
Vectastain ABC Elite standard kit	Vector Labs	PK-6100	
AEC (3-amino-9-ethylcarbazole) peroxidase substrate kite	Vector Labs	SK-4200	
Mayers haematoxylin	HistoLab	1820	
Permanent Aqueous Mounting Medium	AbD Serotech	BUF058C	

Drying oven			
DPX permanent mounting solution	VWR	360292F	
Light microscope	Leica		Leica DMLB
Microscope camera	Leica		Leica DFC 320
Analysis software	Leica		Leica Qwin V3