

Materials List for

Identifying, Diagnosing, and Grading Malignant Peripheral Nerve Sheath Tumors in Genetically Engineered Mouse Models

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Materials

Name	Company	Catalog Number	Comments
100 mm Tissue Culture Plates	Corning Falcon	353003	
3, 3'- Diaminobenzidine (DAB)	Vector Laboratories	SK-400	
6- well plates	Corning Costar	3516	
Acetic Acid	Fisher Scientific	A38-212	
Alexa Fluor 488 Secondary (Goat Anti-Mouse)	Invitrogen	A11029	
Alexa Fluor 568 Secondary (Goat Anti-Mouse)	Invitrogen	A21043 or A11004	
Alexa Fluor 568 Secondary (Goat Anti-Rabbit)	Invitrogen	A11036	
Ammonium Chloride (NH ₄ Cl)	Fisher Scientific	A661-500	
BCA Protein Assay Kit	Thermo Scientific	23225	
Bovine Serum Albumin	Fisher Scientific	BP1600-100	
Caldesmon	ABCAM	E89, ab32330	
CD117	Cell Marque	117R-18-ASR	
CD163	Leica	NCL-L-CD163	
CD31	ABCAM	ab29364	
CD34	ABCAM	ab81289	
CD86	ABCAM	ab53004	
Cell Scraper	Sarstedt	83.183	
Cell Stripper	Corning	25-056-CI	
Circle Coverslip	Fisher Scientific	12-545-100	
Citrisolve Hybrid (d-limonene-based solvent)	Decon Laboratories	5989-27-5	
Critic Acid	Fisher Scientific	A104-500	
Cytokeratin	ABCAM	C-11, ab7753	
Desmin	Agilent Dako	clone D33 (M0760)	

Diaminobenzidine (DAB) Solution	Vector Laboratories	SK-4100	
DMEM	Corning	15-013-CV	
Eosin Y	Thermo Scientific	7111	
Ethanol (200 Proof)	Decon Laboratories	2716	
Fetal Calf Serum	Omega Scientific	FB-01	
Forskolin	Sigma-Aldrich	F6886	
Glycerol	Sigma-Aldrich	G6279	
Hank's Balanced Salt Solution (HBSS)	Corning	21-022-CV	
Harris Hematoxylin	Fisherbrand	245-677	
Hemocytometer	Brightline-Hauser Scientific	1490	
Hydrochloric Acid	Fisher Scientific	A144-212	
Hydrogen Peroxide	Fisher Scientific	327-500	
Iba1	Wako Chemicals	019-19741	
ImmPRESS HRP (Peroxidase) Polymer Kit ,Mouse on Mouse	Vector Laboratories	MP-2400	
ImmPRESS HRP (Peroxidase) Polymer Kit, Horse Anti-Rabbit	Vector Laboratories	MP-7401	
Incubator	Thermo Scientific	Heracell 240i CO2 incubator	
Isoflurane	Piramal	NDC 66794-017-25	
Isopropanol	Fisher Scientific	A415	
Ki-67	Cell Signaling	12202	
Laminin	Thermo Fisher Scientific	23017015	
Liquid Nitrogen			
MART1	ABCAM	M2-9E3, ab187369	
Microtome			
Nestin	Millipore	Human: MAD5236 (10C2), Human:MAB353 (Rat-401)	
Neuregulin 1 beta	In house	Made by S.L.C. (also available as 396-HB-050/CF from R&D Systems)	
Neurofibromin	Santa Cruz Biotechnology	sc-67	
NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ mice	Jackson Laboratory	5557	
Nonfat Dry Milk	Walmart	Great Value Brand	
P0-GGFβ3 mice	In house		
Paraffin Wax	Leica	Paraplast 39601006	
Parafilm M	Sigma-Aldrich	PM-999	
Paraformaldehyde (4%)	Thermo Scientific	J19943-K2	
Permout (Xylene Mounting Medium)	Fisher Scientific	SP15-100	
pH Meter	Mettler Toldedo	Seven Excellence, 8603	
Phosphate Buffered Saline (Dulbecco's)	Corning	20-031-CV	
PMEL	ABCAM	EP4863(2), ab137078	
Poly-L-Lysine Hydrobromide	Sigma-Aldrich	P5899-5MG	
Portable Isoflurance Machine	VetEquip Inhalation Anesthesia Systems		
PVA-DABCO (Aqueous Mounting Medium)	Millipore Sigma	10981100ML	
Rice Cooker	Beech Hamilton		
S100B	Agilent Dako	Z0311 (now GA504)	

SMA	Ventana Medical Systems	clone 1A4	
Sodium Chloride	Fisher Scientific	S640	
Sodium Citrate (Dihydrate)	Fisher Scientific	BP327-1	
Sox10	ABCAM	ab212843	
Steel histology mold			
Superfrost Plus Microscope Slides	Fisher Scientific	12-550-15	
TCF4/TCFL2	Cell Signaling	(CH48H11) #2569	
Tissue Cassette			
Toluidine Blue	ACROS Organics	348600050	
Triton X-100	Fisher Scientific	BP151-500	
TRIzol	Invitrogen	15596026	
Trypsin	Corning	25-051-31	