

Materials List for:

The MUB₄₀ Peptide for Use in Detecting Neutrophil-Mediated Inflammation Events

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Materials

Name	Company	Catalog Number	Comments
MUB ₄₀ -Cy5	Benoit Marteyn	benoit.marteyn@pasteur.fr	Fluorescent MUB ₄₀ peptide (available with other conjugated fluorophores)
RI-MUB ₄₀ -Cy5	Benoit Marteyn	benoit.marteyn@pasteur.fr	Retro-inverso fluorescent MUB ₄₀ peptide. Synthesized with D-amino acids and resistant to proteases (available with other conjugated fluorophores)
Parformaldehyde	Sigma-Aldrich	16005	Fixative for histology
Sucrose	Sigma-Aldrich	S7903	Solution used to remove excess PFA
Optimal Cutting Temperature Compound (OCT)	Sakura Finetek USA	4583	Used to freeze tissue before cryostat sectioning
2-Methylbutane	Sigma-Aldrich	M32631	Used to freeze tissue before cryostat sectioning
Ethanol	Sigma-Aldrich	1.00974	Used for dry ice bath to freeze tissue
Leica Cryostat	Leica Biosystems	CM1520	Used to section tissues
Glass microscopy slides	Fisher Scientific	12-518-101	
Cover slips	Thor Labs	CG15CH	Hi precision coverslip
Dako pen	Sigma-Aldrich	Z377821	Used to prevent liquid loss during tissue staining
Saponin	Sigma-Aldrich	47036	Used to permeabilize cells for IF staining
DAPI	Sigma-Aldrich	10236276001	Stains DNA
Alexa fluor 488 Phalloidin	Fisher Scientific	A12379	Binds actin
Prolong Gold antifade Mountant	Fisher Scientific	P36930	Prolongs IF signal and resistance to photobleaching
Fluorescent microscope	Various	Various	Used to image IF slides
Anoxic Cabinet	Various	Various	Used for the purification of live inactivated neutrophils
Sodium Chloride NaCL	Sigma-Aldrich	S7653	
EDTA	Sigma-Aldrich	E9884	Washing buffer component
MACS BSA buffer	Miltenyi Biotec	130-091-376	Washing buffer component
Percoll	Sigma-Aldrich	P4937	Gradient for neutrophil purification

CD235a glycophorin magnetic microbeads	Miltenyi Biotec	130-050-501	Used to remove contaminating RBCs
LS columns	Miltenyi Biotec	130-042-401	Used in the removal of RBCs from neutrophils
RPMI-1640 without Phenol Red	Sigma-Aldrich	R8755	Used for neutrophil assays