

Materials List for:

Visualizing Macrophage Extracellular Traps Using Confocal Microscopy

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Materials

Name	Company	Catalog Number	Comments
Human samples: Primary antibodies			
Rabbit anti-human H3Cit (Citrulline R26)	Abcam	AB5103	10 ug/ml
Rabbit anti-human MMP12	Novus Biological	NB110-57214	1:100 concentration not quantifiable
Mouse anti-human MMP9	Novus Biological	AB119906	1:200 ascites, no concentration given
Rabbit anti-human PADI2/PAD2	Abcam	AB16478	7 ug/ml
Mouse anti-human PADI4/PAD4	Abcam	AB128086	10.1 ug/ml
Sheep anti-human NE	LifeSpan Bioscience	LS-B4244	25 ug/ml
Name	Company	Catalog Number	Comments
Mouse samples: Primary antibodies			
Goat anti-mouse MMP9	Abcam	AF909	10 ug/ml
Rabbit anti-mouse H3Cit (Citrulline R26)	Abcam	AB5103	10 ug/ml
Rat anti-mouse F4/80	In-house (hybridoma)	In house	20 ug/ml
Sheep anti-human Anti-HNE /NE	Sapphire Bioscience	LS-B4244	25 ug/ml
Mouse anti-human PADI4/PAD4	Abcam	AB128086	10.1 ug/ml
Super-frost plus slides	Menzel	S41104A	
Dapi-prolong gold	Molecular probes	P36931	
Triton-X 100	Sigma-Aldrich	85111	
Ammonium chloride	Sigma-Aldrich	E9434	
Name	Company	Catalog Number	Comments
Secondary antibodies			
Chicken anti-rabbit AF 488/	Life technologies	A-21441	
Chicken anti-rabbit AF 594	Life technologies	A-21442	
Chicken anti-goat AF 594	Life technologies	a-21468	
Chicken anti-mouse AF488	Life technologies	A-21200	
Donkey anti-sheep AF 594	Life technologies	A-11018	
Chicken anti-mouse AF 647	Life technologies	A-21463	
Donkey anti-sheep AF 594	Life technologies	A-11016	
Isotype control			
Rabbit IgG	In house		
Rabbit IgG	In house		

Mouse IgG1	BD Bioscience	550878	
Rabbit IgG	In house		
Mouse IgG2a	BioLegend	400201	
Sheep IgG	In house		
Name	Company	Catalog Number	Comments
Software Programs			
Imaris	Bitplane		
Image J	NIH		
To average intensity of fluorophores a standard office application like Microsoft Excel can be used			
Name	Company	Catalog Number	Comments
Microscopes			
C1 Confocal scanning microscope	Nikon		
FV1200 Confocal scanning microscope	Olympus		
Name	Company	Catalog Number	Comments
Tissue sources			
Human BAL samples from the bronchoscopy suite at Monash Medical Centre			
Mouse BAL samples and lung tissue from the Department of Pharmacology, University of Melbourne.			
Name	Company	Catalog Number	Comments
Media			
RPMI	Sigma-Aldrich	r8758	
Fetal calf serum	Sigma-Aldrich	F0926	
L-glutamine	Sigma-Aldrich	G7513	
Name	Company	Catalog Number	Comments
Other reagents			
Sudan black	Sigma-Aldrich	199664	
paraformaldehyde/periodate/lysine (PLP) fixative	Sigma-Aldrich	27387	
Xylene	Sigma-Aldrich	214736	
Ketamine	Sigma-Aldrich	K2753	
Natural formalin	Sigma-Aldrich	42904	
Paraffin	Sigma-Aldrich	327204	
Agarose	Sigma-Aldrich	A2576	
Solvent 3B	Hi-Chem	2026	
Coverslips 12 ml	Sigma-Aldrich	S1815	
Coverslips 60 x 24 ml	Sigma-Aldrich	C6875	
Name	Company	Catalog Number	Comments
Mice			
c57 black 6	Monash animal research platform (MARP)		
BALB/c	MARP		