

Materials List for

Immunofluorescence Staining Using IBA1 and TMEM119 for Microglial Density, Morphology and Peripheral Myeloid Cell Infiltration Analysis in Mouse Brain

Fernando González Ibanez^{1,2}, Katherine Picard^{1,2}, Maude Bordeleau^{1,3}, Kaushik Sharma^{1,2,4}, Kanchan Bisht^{1,2,4}, Marie-Ève Tremblay^{1,2}

¹Axe Neurosciences, Centre de Recherche du CHU de Québec-Université Laval

²Département de Médecine Moléculaire, Faculté de Médecine, Université Laval

³Integrated Program in Neuroscience, McGill University

⁴Center for Brain Immunology and Glia (BIG), University of Virginia

Correspondence to: Fernando González Ibanez at fernando.gonzalez-ibanez.1@ulaval.ca

URL: <https://www.jove.com/video/60510>

DOI: [doi:10.3791/60510](https://doi.org/10.3791/60510)

Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 488 donkey anti-mouse	Invitrogen/Thermofisher	A21202	
Alexa Fluor 568 goat anti-rabbit	Invitrogen/Thermofisher	A11011	
Biolite 24 Well multidish	Thermo Fisher	930186	
Bovine serum albumin	EMD Millipore Corporation	2930	
Citric acid	Sigma-Aldrich	C0759-500G	
DAPI Nucleic acid stain	Invitrogen/Thermofisher	MP 01306	
Fine Brush	Art store		
Fluoromount-G	Southern Biotech	0100-01	
Gelatin from coldwater fish skin	Sigma-Aldrich	G7765	
Microscope coverglass	Fisher Scientific	1254418	
Microslides positively charged	VWR	48311-703	
Monoclonal mouse Anti-IBA1	Millipore	MABN92	
Na ₂ H ₂ PO ₄ ·H ₂ O	BioShop Canada Inc.	SPM306, SPM400	
Na ₂ HPO ₄	BioShop Canada Inc.	SPD307, SPD600	
NaBH ₄	Sigma-Aldrich	480886	
NaCl	Fisher Scientific	S642500	
Normal donkey serum (NDS)	Jackson ImmunoResearch laboratories Inc.	017-000-121	
Normal goat serum (NGS)	Jackson ImmunoResearch laboratories Inc.	005-000-121	
Parafilm-M	Parafilm	PM-999	
Rabbit monoclonal Anti-TMEM119	Abcam	ab209064	
Reciprocal Shaking bath model 25	Precision Scientific	-	
Transfer pipette			
Tris buffer hydrochloride	BioShop Canada Inc.	TRS002/TRS004	
Triton-X-100	Sigma-Aldrich	T8787	
Tween 20	Sigma-Aldrich	P7949-100ML	