

Materials List for:

Analysis of Immune Cells in Single Sciatic Nerves and Dorsal Root Ganglion from a Single Mouse Using Flow Cytometry

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Materials

Name	Company	Catalog Number	Comments
C57BL/6 Mouse	Charles River	C57BL/6NCrl	
DMEM (+1g/L glucose, Glutamine, Pyruvate)	Thermo	31885023	The source of this material is not important
HEPES	Sigma-Aldrich	H3375	
Bovine serum albumin (BSA)	Sigma-Aldrich	A2153	
Collagenase Type 4	Worthington Biochemical Corp., US	LS004188	
Deoxyribonuclease (DNase) I from bovine pancreas I	Sigma-Aldrich	DN25-1g	
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich	E6758	
Foetal Calf Serum (FCS), heat inactivated	Sigma-Aldrich	F4135	
Antibody against CD11b-PerCP/Cy5.5	Biolegend	101228	Clone M1/70
Antibody against MHC class II, biotinylated	Biolegend	107603	Clone M5/114.15.2
Antibody against CD45-A647	Biolegend	107603	Clone 30-F11
Antibody against CD68-APC	Biolegend	137007	Clone FA/11
Antibody against CD206-PE	Biolegend	141706	Clone C068C2
Antibody against F4/80-PE/Cy7	Biolegend	123113	Clone BM8
Streptavidin-PE/Cy7	Biolegend	405206	Used to detect MHCII-biotin with CD45-A647 and CD11b-PerCP/Cy5.5
Streptavidin-PerCP	Biolegend	405213	Used to detect MHCII-biotin with CD68-APC and F4/80-PE/Cy7
Triton-X 100	Sigma-Aldrich	T8787	
DAPI	Sigma-Aldrich	D9542-1MG	Dilute in PBS to a 50x and store at 4 °C in the dark
Cell dissociation sieve - tissue grinder kit	Sigma-Aldrich	CD1	
V-Shaped, 96-well plates	Greiner/Sigma	M8185	
5ml polystyrene round-bottom tube, 12x75mm	BD Biosciences	352008	
60x15mm petri dish	Greiner/Sigma	Z643084	
BD LSR II Flow Cytometer	BD Biosciences		