

CD11c Monoclonal Antibody (N418), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466363

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	20 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	9 Publications
Immunocytochemistry (ICC/IF)	-	8 Publications
Flow Cytometry (Flow)	0.5 µg/test	135 Publications
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	11 Publications

Product Specific Information

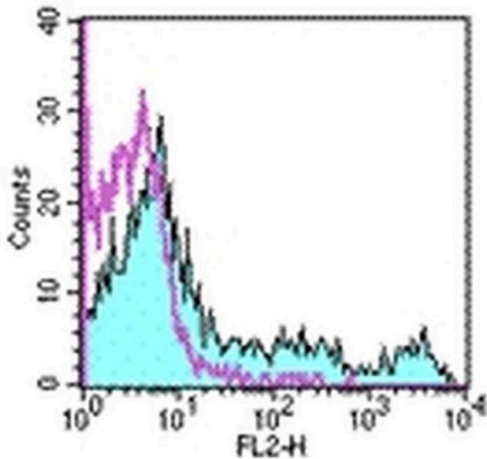
Description: The N418 monoclonal antibody reacts with mouse CD11c, the integrin alphaX. CD11c non-covalently associates with beta2 integrin to form the CD11c/CD18 heterodimer. CD11c is expressed by dendritic cells, a subset of Intestinal Intraepithelial Lymphocytes (IEL) and some activated T cells. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions. N418 binds to CD11c on splenic dendritic cells in the T-dependent areas of mouse spleen and precipitates a 150, 90 kDa heterodimer.

Applications Reported: The N418 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (N418), Biotin, eBioscience™



CD11c Antibody (13-0114-82) in Flow
Staining of C57BL/6 splenocytes with 0.25 µg of Armenian Hamster IgG Isotype Control Biotin (Product # 13-4888-81) (open histogram) or 0.25 µg of Anti-Mouse CD11c Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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Western Blot (1)

Journal of proteome research	Year 2021
Enrichment of Neurodegenerative Microglia Signature in Brain-Derived Extracellular Vesicles Isolated from Alzheimer's Disease Mouse Models.	
"Published figure using CD11c monoclonal antibody (Product # 13-0114-82) in Western Blot"	
Authors: Muraoka S,Jedrychowski MP,Iwahara N,Abdullah M,Onos KD,Keezer KJ,Hu J,Ikezu S,Howell GR,Gygi SP,Ikezu T	

Immunohistochemistry (20)

MedComm	Year 2022
Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of <i>Pseudomonas aeruginosa</i>.	
"Published figure using CD11c monoclonal antibody (Product # 13-0114-82) in Immunohistochemistry"	
Authors: Hu X,Wu M,Ma T,Zhang Y,Zou C,Wang R,Zhang Y,Ren Y,Li Q,Liu H,Li H,Wang T,Sun X,Yang Y,Tang M,Li X,Li J,Gao X,Li T,Zhou X	

International journal of oral science	Year 2022
Targeted inhibition of osteoclastogenesis reveals the pathogenesis and therapeutics of bone loss under sympathetic neurostress.	
"Published figure using CD11c monoclonal antibody (Product # 13-0114-82) in Immunohistochemistry"	
Authors: Sui B,Liu J,Zheng C,Dang L,Chen J,Cao Y,Zhang K,Liu L,Dang M,Zhang L,Chen N,He T,Xuan K,Jin F,Zhang G,Jin Y,Hu C	

[View more IHC references on thermofisher.com](#)

Immunohistochemistry (Paraffin) (2)

Nature	Year 2015
MET is required for the recruitment of anti-tumoural neutrophils.	
"13-0114 was used in Immunohistochemistry on paraffin embedded tissues to identify a role for the MET proto-oncogene in anti-tumoural neutrophil recruitment."	
Authors: Finisguerra V,Di Conza G,Di Matteo M,Serneels J,Costa S,Thompson AA,Wauters E,Walmsley S,Prenen H,Granot Z,Casazza A,Mazzone M	Species Human Mouse

More applications with references on thermofisher.com

- IHC (F) (9)
- ICC/IF (8)
- Flow (135)
- FN (1)
- Misc (11)

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