

CD11c Monoclonal Antibody (N418), Alexa Fluor™ 488, 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), Alexa Fluor™ 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
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_469903

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	21 Publications
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	5 Publications
Immunocytochemistry (ICC/IF)	-	8 Publications
Flow Cytometry (Flow)	0.25 µg/test	115 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

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: This N418 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

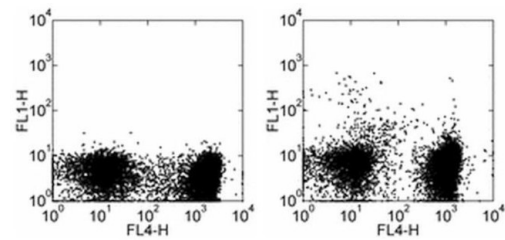
Applications Tested: This N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final

volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. This N418 antibody has been tested by immunohistochemistry of frozen mouse tissue and can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (N418), Alexa Fluor™ 488, eBioscience™



CD11c Antibody (53-0114-82) in Flow
Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and staining buffer (autofluorescence) (left) or 0.125 µg of Anti-Mouse CD11c Alexa Fluor® 488 (right). Cells in the lymphocyte gate were used for analysis.

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Western Blot (2)

<p>Journal of proteome research</p> <p>Enrichment of Neurodegenerative Microglia Signature in Brain-Derived Extracellular Vesicles Isolated from Alzheimer's Disease Mouse Models.</p> <p>"Published figure using CD11c monoclonal antibody (Product # 53-0114-82) in Western Blot"</p> <p>Authors: Muraoka S,Jedrychowski MP,Iwahara N,Abdullah M,Onos KD,Keezer KJ,Hu J,Ikezu S,Howell GR,Gygi SP,Ikezu T</p>	<p>Year 2021</p>
<p>Biochimica et biophysica acta</p> <p>Antigen presenting cell abnormalities in the Cln3(-/-) mouse model of juvenile neuronal ceroid lipofuscinosis.</p> <p>"Published figure using CD11c monoclonal antibody (Product # 53-0114-82) in Immunocytochemistry"</p> <p>Authors: Hersrud SL,Kovács AD,Pearce DA</p>	<p>Year 2016</p> <p>Species Mouse</p>

Immunohistochemistry (21)

<p>MedComm</p> <p>Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of <i>Pseudomonas aeruginosa</i>.</p> <p>"Published figure using CD11c monoclonal antibody (Product # 53-0114-82) in Immunohistochemistry"</p> <p>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</p>	<p>Year 2022</p>
<p>International journal of oral science</p> <p>Targeted inhibition of osteoclastogenesis reveals the pathogenesis and therapeutics of bone loss under sympathetic neurostress.</p> <p>"Published figure using CD11c monoclonal antibody (Product # 53-0114-82) in Immunohistochemistry"</p> <p>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</p>	<p>Year 2022</p>

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More applications with references on thermofisher.com

- IHC (F) (5)
- ICC/IF (8)
- Flow (115)
- Misc (1)

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