

CD11c Monoclonal Antibody (N418), APC, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 100 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse |
| Host/Isotype | Armenian hamster / IgG |
| Recommended Isotype Control | Armenian Hamster IgG Isotype Control (eBio299Arm), APC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | N418 |
| Conjugate | APC |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.1% gelatin |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_469346 |

| Applications | Tested Dilution | Publications |
|---|-----------------|------------------|
| Immunohistochemistry (IHC) | - | 1 Publication |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 3 Publications |
| Immunocytochemistry (ICC/IF) | - | 1 Publication |
| Flow Cytometry (Flow) | 0.25 µg/test | 149 Publications |
| Miscellaneous PubMed (Misc) | - | 2 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.

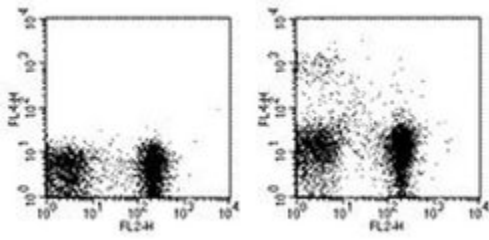
Applications Reported: The N418 antibody has been reported for use in flow cytometric analysis.

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 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD11c Antibody (17-0114-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) PE (Product # 12-0452-82) and staining buffer (autofluorescence) (left) or 0.125 µg of Anti-Mouse CD11c APC (right). Total viable cells were used for analysis.

Immunohistochemistry (1)

Journal of the American Society of Nephrology : JASN

Cellular and Molecular Mechanisms of Kidney Injury in 2,8-Dihydroxyadenine Nephropathy.

"17-0114 was used in Immunohistochemistry to assess the pathogenic sequelae of 2,8-DHA crystal-induced kidney damage."

Authors: Klinkhammer BM,Djudjaj S,Kunter U,Palsson R,Edvardsson VO,Wiech T,Thorsteinsdottir M,Hardarson S,Foresto-Neto O,Mulay SR,Moeller MJ,Jahnen-Dechent W,Floege J,Anders HJ,Boor P

Species
Mouse

Dilution
Not Cited

Year
2020

Immunohistochemistry (Frozen) (3)

eLife

ILC3 GM-CSF production and mobilisation orchestrate acute intestinal inflammation.

"17-0114 was used in Immunofluorescence on frozen tissues to investigate how a small population of innate lymphoid cells (ILCs) has large effects on immune homeostasis, showing that ILC3s produce GM-CSF to orchestrate acute intestinal inflammation."

Authors: Pearson C,Thornton EE,McKenzie B,Schaupp AL,Huskens N,Griseri T,West N,Tung S,Seddon BP,Uhlig HH,Powrie F

Species
Mouse

Dilution
Not Cited

Year
2016

The Journal of experimental medicine

Essential roles of DC-derived IL-15 as a mediator of inflammatory responses in vivo.

Authors: Ohteki T,Tada H,Ishida K,Sato T,Maki C,Yamada T,Hamuro J,Koyasu S

Species
Not Applicable

Dilution
Not Cited

Year
2006

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

Immunocytochemistry (1)

PLoS pathogens

Peptide-MHC-I from Endogenous Antigen Outnumber Those from Exogenous Antigen, Irrespective of APC Phenotype or Activation.

"17-0114 was used in Immunofluorescence to suggest that direct antigen presentation is the dominant pathway in mice during mousepox."

Authors: Sei JJ,Haskett S,Kaminsky LW,Lin E,Truckenmiller ME,Bellone CJ,Buller RM,Norbury CC

Species
Mouse

Dilution
Not Cited

Year
2015

More applications with references on thermofisher.com

[Flow \(149\)](#)

[Misc \(2\)](#)

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