

CD11c Monoclonal Antibody (N418), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	PerCP-Cyanine5.5
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_925727

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	72 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications

Product Specific Information

Description: The N418 monoclonal antibody reacts with mouse CD11c, the integrin alpha X. CD11c non-covalently associates with beta 2 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.

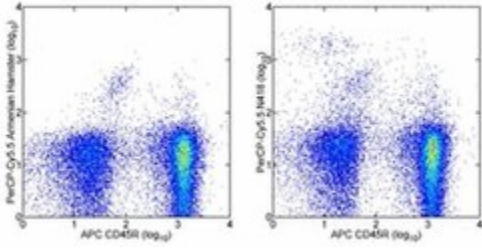
Applications Reported: This N418 antibody has been reported for use in flow cytometric analysis.

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

Excitation: 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (N418), PerCP-Cyanine5.5, eBioscience™



CD11c Antibody (45-0114-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and 0.125 µg of Armenian Hamster IgG Isotype Control PerCP-Cyanine5-5 (Product # 45-4888-80) (left) or 0.125 µg of Anti-Mouse CD11c PerCP-Cyanine5-5 (right). Total viable cells were used for analysis.

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Flow Cytometry (72)

Frontiers in immunology

Tp12 Protects Against Fulminant Hepatitis Through Mobilization of Myeloid-Derived Suppressor Cells.

"Published figure using CD11c monoclonal antibody (Product # 45-0114-82) in Flow Cytometry"

Authors: Xu J,Pei S,Wang Y,Liu J,Qian Y,Huang M,Zhang Y,Xiao Y

Species
Not Applicable

Dilution
Not Cited

Year
2020

NPJ vaccines

Neutrophil swarming and extracellular trap formation play a significant role in Alum adjuvant activity.

"45-0114 was used in Flow cytometry/Cell sorting to show that the very early injection site reaction is characterised by inflammatory chemokine production and neutrophil recruitment."

Authors: Stephen J,Scales HE,Benson RA,Erben D,Garside P,Brewer JM

Species
Mouse

Dilution
1:200

Year
2020

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

Immunohistochemistry (Frozen) (2)

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

International immunology

The existence of CD11c+ sentinel and F4/80+ interstitial dendritic cells in dental pulp and their dynamics and functional properties.

Authors: Zhang J,Kawashima N,Suda H,Nakano Y,Takano Y,Azuma M

Species
Not Applicable

Dilution
Not Cited

Year
2006

More applications with references on thermofisher.com

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