

CD11c Monoclonal Antibody (N418), eFluor 660, 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), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	eFluor® 660
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_11151507

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	13 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	5 Publications
Flow Cytometry (Flow)	0.125 µg/test	74 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

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.

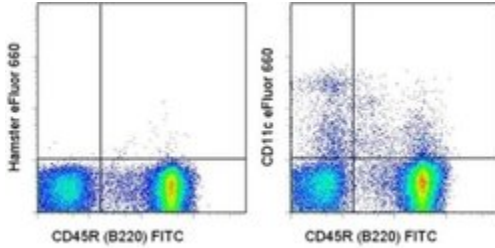
Applications Tested: This N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (N418), eFluor 660, eBioscience™



CD11c Antibody (50-0114-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.06 µg of Armenian Hamster IgG Isotype Control eFluor® 647 (Product # 50-4888-82) (left) or 0.06 µg of Anti-Mouse CD11c eFluor® 660 (right). Total viable cells were used for analysis.

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Immunohistochemistry (13)

Oncoimmunology

The transcriptome of lung tumor-infiltrating dendritic cells reveals a tumor-supporting phenotype and a microRNA signature with negative impact on clinical outcome.

"50-0114 was used in Immunohistochemistry-immunofluorescence to study how the tumour micro-environment exploits dendritic cells (DCs) in lung cancer, and determine the transcriptome of tumor-infiltrating DCs."

Authors: Pyfferoen L, Brabants E, Everaert C, De Cabooter N, Heyns K, Deswarte K, Vanheerswynghels M, De Prijck S, Waegemans G, Dullaers M, Hammad H, De Wever O, Mestdagh P, Vandensompele J, Lambrecht BN, Vermaelen KY

Species
Mouse

Dilution
Not Cited

Year
2021

EMBO molecular medicine

Glufosinate constrains synchronous and metachronous metastasis by promoting anti-tumor macrophages.

"Published figure using CD11c monoclonal antibody (Product # 50-0114-82) in Flow Cytometry"

Authors: Menga A, Serra M, Todisco S, Riera-Domingo C, Ammarah U, Ehling M, Palmieri EM, Di Noia MA, Gissi R, Favia M, Pierri CL, Porporato PE, Castegna A, Mazzone M

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

Immunohistochemistry (Frozen) (3)

The Journal of experimental medicine

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

"Published figure using CD11c monoclonal antibody (Product # 50-0114-82) in Immunohistochemistry"

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

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

More applications with references on thermofisher.com

ICC/IF (5)

Flow (74)

Misc (1)

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