

CD11c Monoclonal Antibody (N418), eFluor 506, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), eFluor 506, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	eFluor® 506
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_2637427

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	62 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	13 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunohistochemistry (IHC)	-	3 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 0.25 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

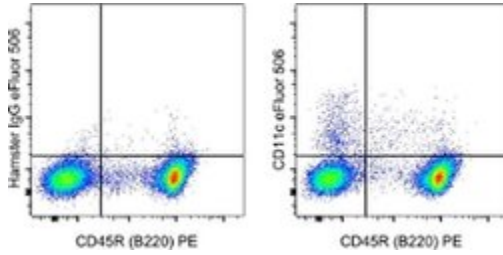
antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (N418), eFluor 506, eBioscience™



CD11c Antibody (69-0114-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) PE (Product # 12-0452-82) and 0.125 µg of Armenian Hamster IgG Isotype Control eFluor® 506 (Product # 69-4888-82) (left) or 0.125 µg of Anti-Mouse CD11c eFluor® 506 (right). Total viable cells, as determined by Fixable Viability Dye eFluor® 660 (Product # 65-0864-14), were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

Flow Cytometry (62)

Frontiers in immunology

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

"Published figure using CD11c monoclonal antibody (Product # 69-0114-82) 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

Frontiers in immunology

FcRI -Chain Negatively Modulates Dectin-1 Responses in Dendritic Cells.

"Published figure using CD11c monoclonal antibody (Product # 69-0114-82) in Flow Cytometry"

Authors: Pan YG,Yu YL,Lin CC,Lanier LL,Chu CL

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Immunofluorescence (13)

International journal of molecular medicine

Identification of different macrophage subpopulations with distinct activities in a mouse model of oxygen-induced retinopathy.

"Published figure using CD11c monoclonal antibody (Product # 69-0114-82) in Immunofluorescence"

Authors: Zhu Y,Zhang L,Lu Q,Gao Y,Cai Y,Sui A,Su T,Shen X,Xie B

Species
Not Applicable

Dilution
Not Cited

Year
2017

Science translational medicine

Combined antiangiogenic and anti-PD-L1 therapy stimulates tumor immunity through HEV formation.

"Published figure using CD11c monoclonal antibody (Product # 69-0114-82) in Immunofluorescence"

Authors: Allen E,Jabouille A,Rivera LB,Lodewijckx I,Missiaen R,Steri V,Feyen K,Tawney J,Hanahan D,Michael IP, Bergers G

Species
Not Applicable

Dilution
Not Cited

Year
2017

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[IHC \(3\)](#) [ICC \(1\)](#) [Misc \(1\)](#) [IHC \(F\) \(3\)](#)

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