

CD11c Monoclonal Antibody (N418), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Artificial Control, Non-human primate, Mouse, Human
Host/Isotype	Armenian hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Unconjugated
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
RRID	AB_467115

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	239 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	12 Publications
Immunoprecipitation (IP)	Assay-Dependent	-
ELISA (ELISA)	-	1 Publication
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	25 Publications
Immunohistochemistry (IHC)	-	21 Publications
In vitro Assay (IV)	-	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications
Western Blot (WB)	-	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: The N418 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining of frozen tissue sections.

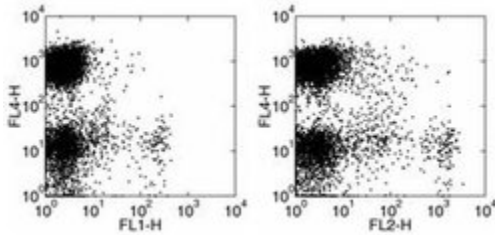
Applications Tested: The N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD11c Antibody (14-0114-82) in Flow

Staining of mouse splenocytes with Anti-Mouse CD11c FITC (left) and PE (right), and Anti-Human/Mouse CD45R (B220) APC. Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

303 References

Western Blot (1)

Biochimica et biophysica acta

Antigen presenting cell abnormalities in the Cln3(-/-) mouse model of juvenile neuronal ceroid lipofuscinosis.

"Published figure using CD11c monoclonal antibody (Product # 14-0114-82) in Flow Cytometry"

Authors: Hersrud SL, Kovács AD, Pearce DA

Species

Mouse
Not Applicable

Dilution

1:200
Not Cited

Year

2016

Immunohistochemistry (21)

PLoS pathogens

An Epithelial Integrin Regulates the Amplitude of Protective Lung Interferon Responses against Multiple Respiratory Pathogens.

"14-0114 was used in Immunohistochemistry to show that upregulation of the epithelial integrin V6 during influenza infection is involved in disease pathogenesis."

Authors: Meliopoulos VA, Van de Velde LA, Van de Velde NC, Karlsson EA, Neale G, Vogel P, Guy C, Sharma S, Duan S, Surman SL, Jones BG, Johnson MD, Bosio C, Jolly L, Jenkins RG, Hurwitz JL, Rosch JW, Sheppard D, Thomas PG, Murray PJ, Schultz-Cherry S

Species

Mouse

Dilution

Not Cited

Year

2016

Attenuation of AD-like neuropathology by harnessing peripheral immune cells: local elevation of IL-10 and MMP-9.

"Published figure using CD11c monoclonal antibody (Product # 14-0114-82) in Immunofluorescence"

Authors: Koronyo-Hamaoui M, Ko MK, Koronyo Y, Azoulay D, Seksenyan A, Kunis G, Pham M, Bakhsheshian J, Rogeri P, Black KL, Farkas DL, Schwartz M

Species
Mouse
Not Applicable

Dilution
1:100
Not Cited

Year
2009

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Immunohistochemistry (Frozen) (12)

Journal of immunology (Baltimore, Md. : 1950)

Semaphorin 7A Promotes Chemokine-Driven Dendritic Cell Migration.

"14-0114 was used in Immunohistochemistry on frozen tissues to define the molecules that induce the migratory phenotype of dendritic cells."

Authors: van Rijn A, Paulis L, te Riet J, Vasaturo A, Reinieren-Beeren I, van der Schaaf A, Kuipers AJ, Schulte LP, Jongbloets BC, Pasterkamp RJ, Figdor CG, van Spriel AB, Buschow SI

Species
Human
Mouse

Dilution
Not Cited
Not Cited

Year
2016

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[ICC \(1\)](#) [IF \(25\)](#) [Flow \(239\)](#) [ELISA \(1\)](#) [IV \(1\)](#) [Misc \(2\)](#)

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