CD11c Monoclonal Antibody (N418), Alexa Fluor™ 532, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Alexa Fluor™ 532, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Alexa Fluor™ 532
Excitation/Emission Max	534/553 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11217475

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	19 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	6 Publications
Flow Cytometry (Flow)	0.25 µg/test	99 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.

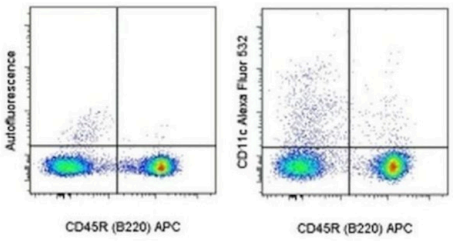
Applications Reported: This N418 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Alexa Fluor® 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting this fluorochome.

Excitation: 532 nm; Emission: 561 nm; Laser: Green Laser

Product Images For CD11c Monoclonal Antibody (N418), Alexa Fluor™ 532, eBioscience™



CD11c Antibody (58-0114-82) in Flow
Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and staining buffer (autofluorescence) (left) or 0.125 µg of Anti-Mouse CD11c Alexa Fluor® 532 (right). Total viable cells were used for analysis.

View more figures on thermofisher.com

128 References

Immunohistochemistry (19)

MedComm

Year 2022

Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of *Pseudomonas aeruginosa*.

"Published figure using CD11c monoclonal antibody (Product # 58-0114-82) in Immunohistochemistry"

Authors: Hu X,Wu M,Ma T,Zhang Y,Zou C,Wang R,Zhang Y,Ren Y,Li Q,Liu H,Li H,Wang T,Sun X,Yang Y,Tang M,Li X, Li J,Gao X,Li T,Zhou X

International journal of oral science

Year 2022

Targeted inhibition of osteoclastogenesis reveals the pathogenesis and therapeutics of bone loss under sympathetic neurostress.

"Published figure using CD11c monoclonal antibody (Product # 58-0114-82) in Immunohistochemistry"

Authors: Sui B,Liu J,Zheng C,Dang L,Chen J,Cao Y,Zhang K,Liu L,Dang M,Zhang L,Chen N,He T,Xuan K,Jin F,Zhang G,Jin Y,Hu C

View more IHC references on thermofisher.com

Immunohistochemistry (Frozen) (3)

The Journal of experimental medicine

Year 2006

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

"Published figure using CD11c monoclonal antibody (Product # 58-0114-82) in Immunohistochemistry"

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

International immunology

Year 2006

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

View more IHC (F) references on thermofisher.com

More applications with references on thermofisher.com

ICC/IF (6) **Flow (99)** **Misc (1)**