

CD11c Monoclonal Antibody (N418), Super Bright 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Super Bright 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Super Bright 436
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2722928

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	10 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 may be used at less than or equal to 0.5 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.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

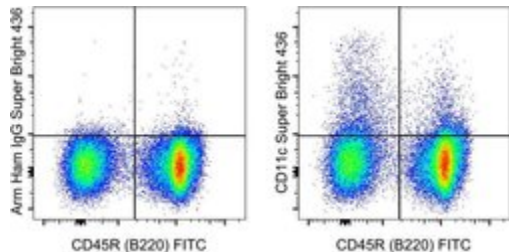
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright

Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD11c Monoclonal Antibody (N418), Super Bright 436, eBioscience™



CD11c Antibody (62-0114-82) in Flow

C57BL/6 mouse splenocytes were stained with CD45R (B220) Monoclonal Antibody, FITC (Product # 11-0452-82) and 0.25 μ g of Armenian Hamster IgG Isotype Control, Super Bright 436 (Product # 62-4888-82) (left) or 0.25 μ g of CD11c Monoclonal Antibody, Super Bright 436 (right). Total viable cells were used for analysis.

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

11 References

Immunohistochemistry (1)

EMBO molecular medicine

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

"Published figure using CD11c monoclonal antibody (Product # 62-0114-82) 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

Flow Cytometry (10)

Frontiers in cellular and infection microbiology

CNS Immune Profiling in a Dengue Virus-Infected Immunocompetent Outbred ICR Mice Strain.

"Published figure using CD11c monoclonal antibody (Product # 62-0114-82) in Flow Cytometry"

Authors: Shen TJ, Chen CL, Jhan MK, Tseng PC, Lin CF

Species
Not Applicable

Dilution
Not Cited

Year
2021

eLife

Analysis of the immune response to sciatic nerve injury identifies efferocytosis as a key mechanism of nerve debridement.

"Published figure using CD11c monoclonal antibody (Product # 62-0114-82) in Flow Cytometry"

Authors: Kalinski AL, Yoon C, Huffman LD, Duncker PC, Kohen R, Passino R, Hafner H, Johnson C, Kawaguchi R, Carbajal KS, Jara JS, Hollis E, Geschwind DH, Segal BM, Giger RJ

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

More applications with references on thermofisher.com

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