

CD11c Monoclonal Antibody (N418), Functional Grade, eBioscience™

| Product Details | |
|-----------------------------|---|
| Size | 500 µg |
| Species Reactivity | Mouse |
| Published Species | Human, Mouse |
| Host/Isotype | Armenian hamster / IgG |
| Recommended Isotype Control | Armenian Hamster IgG Isotype Control (eBio299Arm), Functional Grade, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | N418 |
| Conjugate | Functional Grade |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | no preservative |
| Storage conditions | 4° C |
| RRID | AB_468888 |

| Applications | Tested Dilution | Publications |
|---|-----------------|-----------------|
| Western Blot (WB) | - | 1 Publication |
| Immunohistochemistry (IHC) | - | 13 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 2 Publications |
| Immunocytochemistry (ICC/IF) | - | 5 Publications |
| Flow Cytometry (Flow) | 1 µg/test | 90 Publications |
| ELISA (ELISA) | - | 1 Publication |
| Control (Ctrl) | Assay-Dependent | - |
| Miscellaneous PubMed (Misc) | - | 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.

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.

Endotoxin: Less than 0.001 ng/ug antibody as determined by the LAL assay.

Storage and handling: Use in a sterile environment.

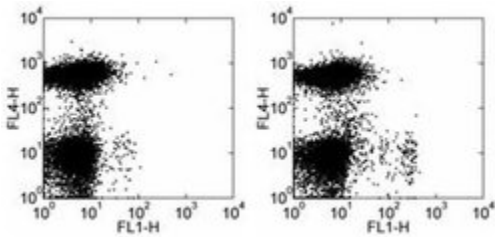
Filtration: 0.2 µm post-manufacturing filtered.

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

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

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

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



CD11c Antibody (16-0114-85) in Flow

Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and 0.5 µg of Armenian Hamster IgG Isotype Control Functional Grade Purified (Product # 16-4888-81) (left) or 0.5 µg of Anti-Mouse CD11c Functional Grade Purified (right) followed by Anti-Armenian Hamster IgG FITC (Product # 11-4111). Cells in the lymphocyte gate were used for analysis.

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

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 # 16-0114-85) in Western Blot"

Authors: Hersrud SL,Kovács AD,Pearce DA

Species
Not Applicable

Dilution
Not Cited

Year
2016

Immunohistochemistry (13)

EMBO molecular medicine

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

"Published figure using CD11c monoclonal antibody (Product # 16-0114-85) 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

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 # 16-0114-85) 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

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

Immunohistochemistry (Frozen) (2)

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 # 16-0114-85) 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

More applications with references on thermofisher.com

ICC/IF (5)

Flow (90)

ELISA (1)

Misc (1)

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