

CD11c Monoclonal Antibody (N418), APC, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Armenian Hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	APC
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_469346

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	188 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
In vitro Assay (IV)	-	1 Publication
Miscellaneous Pubmed (Misc)	-	2 Publications

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 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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