

CD11c Monoclonal Antibody (N418), Brilliant Violet™ 421, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Brilliant Violet™ 421, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
Conjugate	Brilliant Violet™ 421
Excitation/Emission Max	406/423 nm
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_2925493

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	-

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: 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 bone marrow cells. 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.

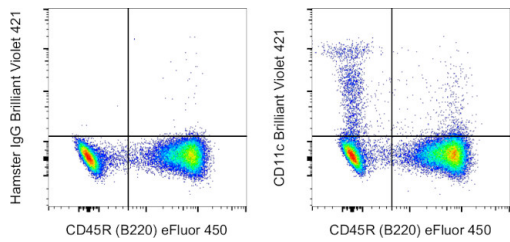
Brilliant Violet™ 421 (BV421) is a dye that emits at 423 nm and is intended for use on cytometers equipped with a violet (405 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401-42) or Brilliant Stain Buffer™ (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

Excitation: 407 nm; Emission: 423 nm; Laser: Violet Laser.

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Product Images For CD11c Monoclonal Antibody (N418), Brilliant Violet™ 421, eBioscience™



CD11c Antibody (404-0114-82) in Flow
BALB/c mouse splenocytes were stained with CD45R (B220) Monoclonal Antibody, eFluor 450 (Product # 48-0452-82) and 0.25 µg of Armenian Hamster IgG Isotype Control, Brilliant Violet 421 (Product # 404-4888-81) (left) or 0.25 µg of CD11c Monoclonal Antibody, Brilliant Violet 421 (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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