Datasheet for ABIN7278546

anti-CD11c antibody (violetFluor™ 450)

1 Image

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Overview

Quantity:	100 µg
Target:	CD11c (ITGAX)
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to violetFluor™ 450
Application:	Flow Cytometry (FACS)

Product Details

Clone:	N418
Isotype:	IgG
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)
Background:	The N418 antibody reacts with mouse CD11c, also known as integrin alpha X. This 150 kDa cell surface glycoprotein is part of a family of integrin receptors that mediate adhesion between

Target Details

	cells (cell-cell) and components of the extracellular matrix, e.g. fibrinogen (cell-matrix). In addition, integrins are active signaling receptors which recruit leukocytes to inflammatory sites and promote cell activation. Complete, functional integrin receptors consist of distinct combinations of integrin chains which are differentially expressed. Integrin alpha X (CD11c) assembles with Integrin beta-2 (CD18) into a receptor complex known as CR4 which can bind and induce signaling through ICAMs and VCAM-1 on endothelial cells and can also facilitate removal of iC3b bearing foreign cells.The N418 antibody is widely used as a marker for CD11c expression on dendritic cells (DC), often in parallel with markers for CD11b, for identification of developmental stages and mature subsets of this cell type. CD11c is prominently expressed on tissue macrophages, and is also detected on some types of activated T cells and intestinal intraepithelial lymphocytes (IEL).
Gene ID:	16411
UniProt:	Q9QXH4
Pathways:	Complement System, Activated T Cell Proliferation, Integrin Complex

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indi- cated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system. violet- Fluor™ 450 dye is excited by the violet (405 nm) laser and has a peak emission of 450 nm. The most common band pass filters for this dye are 440/40 or 450/50. violetFluor™ 450 can be used as an alternative for Pacific Blue®, BD Horizon™ V450 or eFluor® 450.
Comment:	0.2 mg/mL C57Bl/6 splenocytes were stained with FITC Anti-Mouse MHC Class II (35-5321) and 0.125 ug violetFluor™ 450 Anti-Mouse CD11c (75-0114) (right panel) or 0.125 ug violetFluor™ 450
Restrictions:	For Research Use only

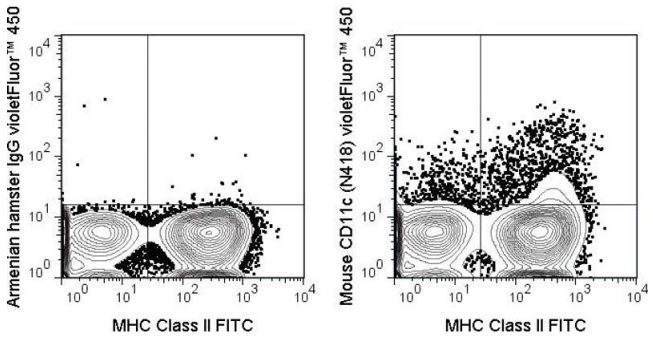
Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months

Images



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with FITC Anti-Mouse MHC Class II (ABIN6961794) and 0.125 µg violetFluor450 Anti-Mouse CD11c (ABIN6961794) (right panel) or 0.125 µg violetFluor450 Armenian Hamster IgG (left panel).