

Datasheet for ABIN6655426
anti-CD11c antibody (FITC)



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1 Image

Overview

Quantity:	500 µL
Target:	CD11c (ITGAX)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	CD11c Fluorescein Antibody
Immunogen:	Anti-CD11c Antibody (Monoclonal) was produced by repeated immunizations with CD11c antigen.
Clone:	3-9
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Reactivity is observed against human CD11c, Chimpanzee, Baboon, African Green, Cynomolgus, Rhesus, and Squirrel Monkey.
Purification:	Fluorescein conjugated CD11c Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD11c.
Sterility:	Sterile filtered
Labeling Ratio:	4-6

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)
Background:	Synonyms: Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150,95 alpha chain, Leukocyte adhesion receptor p150 95, CD11c Background: CD11c is a 145-150 kD type I transmembrane glycoprotein also known as integrin αX and CR4. CD11c non-covalently associates with integrin β2 (CD18) and is expressed on monocytes/macrophages, dendritic cells, granulocytes, NK cells, and subsets of T and B cells. CD11c has been reported to play a role in adhesion and CTThe 3.9 antibody reacts with human 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 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 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. Gene Name: ITGAX
Gene ID:	3687
NCBI Accession:	NP_000878
UniProt:	P20702
Pathways:	Complement System , Activated T Cell Proliferation , Integrin Complex

Application Details

Application Notes:	Immunohistochemistry_Dilution: User Optimized Flow_Cytometry_Dilution: 5 μ L/1x10e6 cells or 100 μ L of whole blood
Comment:	Anti-CD11c has been tested for Flow Cytometry and is useful for Immunohistochemistry. Researchers should determine optimal titers for applications that are not stated.
Restrictions:	For Research Use only

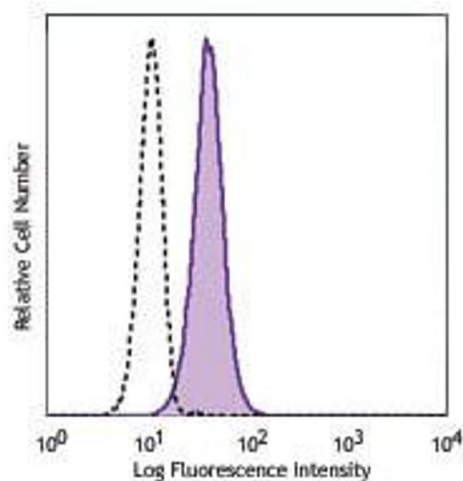
Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

	Stabilizer: 0.2 % BSA (w/v)
	Preservative: 0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.
Expiry Date:	6 months

Images



Flow Cytometry

Image 1. Flow Cytometry - Mouse anti-CD11c FITC Flow Cytometry of Mouse anti-CD11c Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood granulocytes. Stimulation: none. Antibody: (Dotted line) FITC Mouse IgG1 kappa isotype control; (PURPLE) Fluorescein Anti-CD11c mouse antibody using 5 ul.