Datasheet for ABIN6655425

anti-CD11c antibody (APC)

2 Images

Go to Product page

Overview

Quantity:	500 µL
Target:	CD11c (ITGAX)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to APC
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Fluorescence Microscopy (FM)

Product Details

Purpose:	CD11c Allophycocyanin 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, Baboon, Chimpanzee, Cynomolgus, and Rhesus.
Purification:	Allophycocyanin conjugated CD11c Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD11c.
Sterility:	Sterile filtered
Labeling Ratio:	1-2

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: The 3.9 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 activated neutrophils, granulocytes, some types of activated T cells and intestinal intraepithelial lymphocytes (IEL).L killing through its interactions with fibrinogen, CD54, and iC3b. 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:	Immunoprecipitation_Dilution: User Optimized Flow_Cytometry_Dilution: 5µL/test/1x10e5 to 1x10e8 cells IF_Microscopy_Dilution: User Optimized
Comment:	Anti-CD11c is tested for Flow Cytometry and useful in Immunofluorescence and Immunoprecipitation. Researchers should determine optimal titers for applications that are not stated.
Restrictions:	For Research Use only

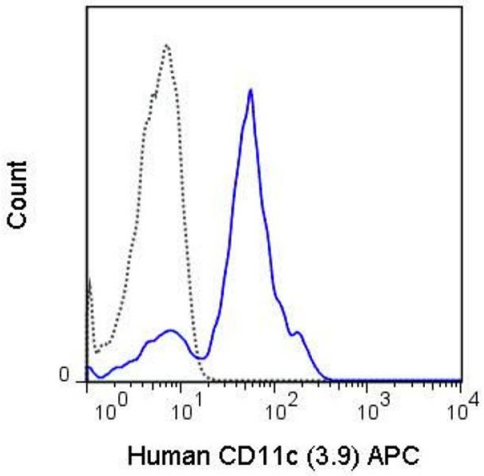
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.1 % Gelatin Preservative: 0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

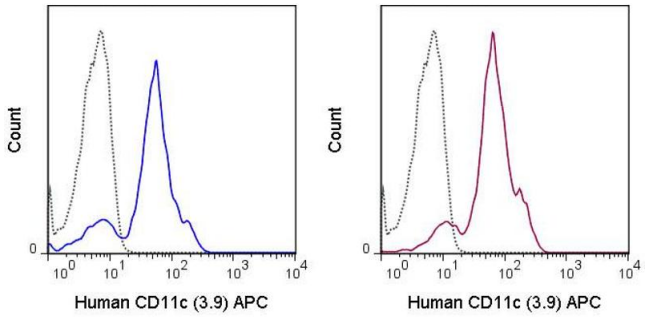
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiry Date:	6 months

Images



Flow Cytometry

Image 1. Flow Cytometry - Mouse anti-CD11c APC Flow Cytometry of Mouse anti-CD11c Allophycocyanin Conjugated Monoclonal Antibody. Cells: human peripheral blood monocytes. Stimulation: none. Antibody: (Dotted Line) 0.25 µg APC Mouse IgG1 isotype control; (BLUE) Allophycocyanin Anti-CD11c mouse antibody using 5 ul (0.25 µg).



Flow Cytometry

Image 2. Flow Cytometry - Mouse anti-CD11c APC Flow Cytometry of Mouse anti-CD11c Allophycocyanin Conjugated Monoclonal Antibody. Cells: human peripheral blood monocytes. Stimulation: none. Antibody: (Dotted Line) 0.25 µg APC Mouse IgG1 isotype control; (BLUE) Allophycocyanin Anti-CD11c mouse antibody; (RED) Allophycocyanin Anti-CD11c mouse antibody using 5 ul (0.25 µg).