

Datasheet for ABIN7655513 **anti-CD11c antibody (CF®740)**



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CD11c (ITGAX)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to CF®740
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Purpose:	CD11c(HC1/1), CF740 conjugate
Immunogen:	Human monocytic U937 phorbol ester-treated cells
Clone:	HC1-1
Isotype:	IgG1, kappa
Characteristics:	CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a type I transmembrane protein found at high levels on most human dendritic cells, but also on monocytes, macrophages, neutrophils, and some B cells. It induces cellular activation and helps trigger neutrophil respiratory burst. It is expressed in hairy cell leukemias, acute non-lymphocytic leukemias, and some B-cell chronic lymphocytic leukemias. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because

Product Details

blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c
Background:	Synonyms: CD11 antigen-like family member B CD11b/CD18 CD49d Cell surface glycoprotein MAC-1 subunit alpha Complement Component Receptor 3 Alpha CR3 Alpha Chain (CR3A) Integrin alpha-M Integrin beta 2 alpha subunit ITGAM Leukocyte adhesion receptor MO1, Ly-40 Mac-1a MAC1 Mac1, alpha subunit MAC1A Macrophage antigen alpha polypeptide, MO1A Neutrophil adherence receptor alpha M subunit Gene Symbol: ITGAX
Molecular Weight:	145 kDa
Gene ID:	3687
UniProt:	P20702
Pathways:	Complement System , Activated T Cell Proliferation , Integrin Complex

Application Details

Application Notes:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunofluorescence: 0.5-1 µg/mL. Flow Cytometry 0.5-1 µg/million cells/0.1 mL
Comment:	Positive Control: Human dendritic cells. Human lymph nodes and tonsils.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % rBSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months