

Datasheet for ABIN7072309

Recombinant anti-CD11c antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	CD11c (ITGAX)
Reactivity:	Human, Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), In vivo Studies (in vivo)

Product Details

Purpose:	Anti-CD11c [N418], Rabbit IgG, kappa
Immunogen:	Hamster spleen cells that had been primed to mouse spleen dendritic cells
Clone:	N418
Isotype:	IgG kappa
Specificity:	The antibody binds to mouse and human CD11c.
Cross-Reactivity:	Human
Characteristics:	Original Species of Ab: Hamster, Armenian Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

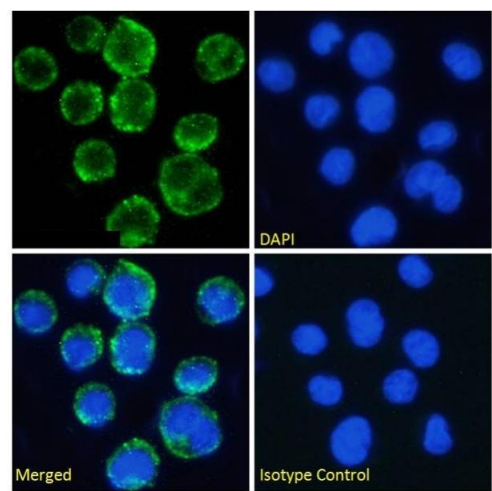
Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)
Background:	Integrin alpha-X
UniProt:	P20702
Pathways:	Complement System , Activated T Cell Proliferation , Integrin Complex

Application Details

Application Notes:	This antibody binds to human CD11, which is part of the human integrin receptor for fibrinogen, recognizing a GPR motif. The receptor is involved in cell-cell contacts, chemotaxis, and inflammatory responses. The binding of this antibody to its target was originally evaluated via FACS (Metlay et al., 1990, PMID: 2185332). This antibody was used for FC (Liu et al., 1998, PMID: 9723687). This antibody was used <i>in vivo</i> as a tool to target the delivery of a model antigen specifically to dendritic cells in mice, resulting in rapid and high antibody response (Wang et al., 2000, PMID: 10639168). Conjugating this antibody to synthetic peptides enhanced their immunogenicity (Berry et al., 2003, PMID: 10639168). This antibody was successfully used in an IF assay (AbAb internal results).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed U937 cells with anti-CD11c antibody N418. Immunofluorescence analysis of paraformaldehyde fixed U937 cells on Shi-fix™ coverslips, permeabilized with 0.15 % Triton and stained with the chimeric rabbit IgG version of N418 (ABIN7072309) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (1 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072309, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor®488 secondary antibody.