Datasheet for ABIN6182278

anti-CD11c antibody (AA 637-827) (CF®405S)

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Overview

Quantity:	100 µL
Target:	CD11c (ITGAX)
Binding Specificity:	AA 637-827
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to CF®405S
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Mouse Monoclonal anti-CD11c (ITGAX/1284), CF405S Conjugate
Immunogen:	Recombinant human ITGAX protein fragment (aa 637-827) (exact sequence is proprietary)
Clone:	ITGAX-1284
Isotype:	IgG2b
Characteristics:	This antibody recognizes a protein of 145 kDa, identified as CD11c. CD11c (ITGAX), a member of the leukointegrin family, shares the same beta subunit with other members of the leukocyte adhesion molecule family, which includes CD11a (LFA-1), CD11b (MAC-1) and CD11d (ITGAD), but has a unique alpha chain. CD11c has been shown to play a role in phagocytosis, cell migration, and cytokine production by monocytes/macrophages as well as induction of T-cell proliferation by Langerhans cells. CD11c is expressed prominently on the plasma membranes of monocytes, tissue macrophages, NK cells, and most dendritic cells (DCs). A lower level of

Product Details

expression is also observed on neutrophils as a result of its high level of expression on most DCs. An antibody to CD11c may aid in identification of lesions with histiocytic origin. It may also been used as a marker for hairy cell leukemia in paraffin-embedded tissues. 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 blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)
Background:	CD11 antigen-like family member C|Complement component 3 receptor 4 subunit|Integrin alpha-X|integrin, alpha X (antigen CD11C (p150), alpha polypeptide)|Leu M5 alpha subunit|Leukocyte adhesion glycoprotein p150 95 alpha chain|Myeloid membrane antigen alpha subunit|p150/95
Molecular Weight:	145 kDa
Gene ID:	3687, 248472
UniProt:	P20702
Pathways:	Complement System, Activated T Cell Proliferation, Integrin Complex

Application Details

Application Notes:	Immunohistology (formalin) 1-2 µg/mL • Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris, 1 mM EDTA pH 9.0 for 10-20 min followed by cooling at RT for 20 min • Immunofluorescence 0.5-1 µg/mL • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Optimal dilution for a specific application should be determined by user
Comment:	Human dendritic cells. Human lymph nodes and tonsils.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % 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.
Handling Advice:	Protect from light

