

Datasheet for ABIN4949495
anti-CD11c antibody (AA 637-827)



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Overview

Quantity:	100 µg
Target:	CD11c (ITGAX)
Binding Specificity:	AA 637-827
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A partial recombinant protein corresponding to amino acids 637-827 from human ITGAX/CD11c was used as the immunogen for the CD11c antibody.
Clone:	ITGAX-1284
Isotype:	IgG2b kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c (ITGAX Products)

Target Details

Background: 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 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.

Pathways: [Complement System](#), [Activated T Cell Proliferation](#), [Integrin Complex](#)

Application Details

Application Notes: Optimal dilution of the CD11c antibody should be determined by the researcher.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT

Restrictions: For Research Use only

Handling

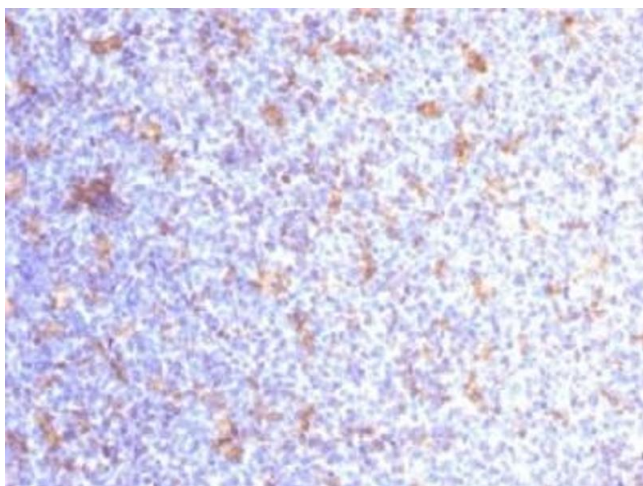
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the CD11c antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE human tonsil with CD11c antibody (clone ITGAX/1284). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.