

Datasheet for ABIN7655524
anti-CD11c antibody (AA 637-827) (Biotin)



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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 Biotin
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	CD11c (Dendritic Cell Marker)(ITGAX/1242), Biotin conjugate
Immunogen:	Recombinant human ITGAX protein fragment (aa 637-827)
Clone:	ITGAX-1242
Isotype:	IgG2b, kappa
Characteristics:	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

Product Details

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.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	CD11c
Background:	Synonyms: 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 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. Immunohistochemistry (formalin-fixed): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: THP-1 cells. Tonsil or Lymph Node
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide

Handling

Preservative:	Sodium azide
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:	Stable at room temperature or 37°C for 7 days. Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months