

Datasheet for ABIN7600545
anti-CD11c antibody (AA 20-332)



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Overview

Quantity:	100 µg
Target:	CD11c (ITGAX)
Binding Specificity:	AA 20-332
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-CD11c/Itgax Antibody Picoband®
Immunogen:	E.coli-derived mouse CD11c/Itgax recombinant protein (Position: F20-E332).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CD11c/Itgax Antibody Picoband® (ABIN7600545). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	Itgax (ITGAX Products)
Background:	Synonyms: Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150,95 alpha chain, Leukocyte adhesion receptor p150,95, CD11c, ITGAX, CD11C Tissue Specificity: Predominantly expressed in monocytes and granulocytes. Background: CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a gene that encodes for CD11c. This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	150 kDa
Gene ID:	1641
Pathways:	Complement System , Activated T Cell Proliferation , Integrin Complex

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: ITGAX integrin, alpha X (complement component 3 receptor 4 subunit)". 2. Córbi AL, Lopéz-Rodríguez C (1997). "CD11c integrin gene promoter activity during myeloid differentiation.". Leuk. Lymphoma. 25 (5-6): 415-25.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium 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,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.