

Datasheet for ABIN6936627 **anti-CD1b antibody**



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Overview

Quantity:	100 µg
Target:	CD1b (CD1B)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD1b antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunofluorescence (IF), Coating (Coat)

Product Details

Immunogen:	Human peripheral lymphocytes
Clone:	RIV12
Isotype:	IgG1 kappa
Specificity:	<p>The Mouse monoclonal antibody recognizes CD1b, a 44 kDa type I glycoprotein associated with beta2-microglobulin. It is expressed on dendritic cells, Langerhans cells, thymocytes, and T acute lymphoblastic leukemia cells. The CD1 multigene family encodes five forms of the CD1 T-cell surface glycoprotein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 membrane protein, has structural similarity to the MHC class I antigen and has been shown to present lipid antigens for recognition by T lymphocytes. Constitutive endocytosis of CD1B molecules and the differential sorting of MHC class II from lysosomes separate peptide- and lipid antigen-presenting molecules during dendritic cell maturation. CD1B is also expressed in interdigitating cells.</p>

Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	CD1b (CD1B)
Alternative Name:	CD1B (CD1B Products)
Background:	A1 domain, CD1B, Cortical thymocyte antigen CD1B, hTa1 thymocyte antigen, Ly38, T cell surface glycoprotein CD1b, T6/Leu6,CD1b (T-Cell Surface Glycoprotein) Cellular localisation: Cell surface
Molecular Weight:	49kDa
Gene ID:	910, 1310
UniProt:	P29016

Application Details

Application Notes:	Known_Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (1-2 μ g/million cells), Immunofluorescence (1-2 μ g/mL), Optimal dilution for a specific application should be determined. Positive_Control: MOLT4 cells. Human thymus.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months