

## 36-3456: Anti-CD1b (T-Cell Surface Glycoprotein) Monoclonal Antibody(Clone: 100-1A5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	100-1A5
<b>Application :</b>	FACS,IF,Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD1B
<b>Gene ID :</b>	910
<b>Uniprot ID :</b>	P29016
<b>Alternative Name :</b>	A1 domain; CD1B; Cortical thymocyte antigen CD1B; hTa1 thymocyte antigen; Ly38; T cell surface glycoprotein CD1b; T6/Leu6
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	Stimulated human leukocytes

### Description

The Mouse monoclonal antibody recognizes CD1b, a 44kDa type I glycoprotein associated with beta2-microglobulin (Workshop IV; Code T015). 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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Functional Studies (Order Ab without BSA & Azide);

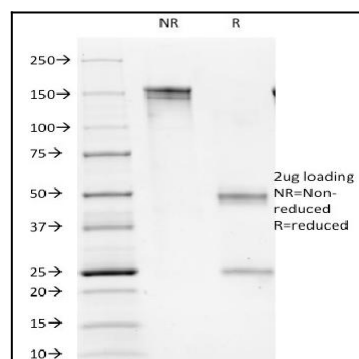


Fig. 1: SDS-PAGE Analysis Purified CD1b Mouse Monoclonal Antibody (100-1A5). Confirmation of Integrity and Purity of Antibody.