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

Clone Name: Monoclonal 100-1A5

**Application:** FACS, IF, Functional Assay

Reactivity: Human
Gene: CD1B
Gene ID: 910
Uniprot ID: P29016

Alternative Name:

Al domain; CD1B; Cortical thymocyte antigen CD1B; hTa1 thymocyte antigen; Ly38; T cell

surface glycoprotein CD1b; T6/Leu6

**Isotype:** Mouse IgM, kappa

Immunogen Information: 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**

**Amount :** 20 μg / 100 μg

Content: 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.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Storage condition: 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);

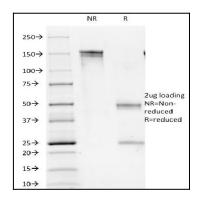


Fig. 1: SDS-PAGE Analysis Purified CD1b Mouse Monoclonal Antibody (100-1A5). Confirmation of Integrity and Purity of Antibody.