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36-1842: Monoclonal Antibody to CD1b (T-Cell Surface Glycoprotein)(Clone: RIV12)

Clone Name: Monoclonal RIV12

Application : ELISA,FACS,IF

Reactivity: Human
Gene: CD1B
Gene ID: 910
Uniprot ID: P29016
Format: Purified
Alternative Name: CD1B

Isotype: Mouse IgG1, kappa

Immunogen Information: Human peripheral lymphocytes

Description

The mouse monoclonal antibody recognizes CD1b, a 44kDa 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.

Product Info

Amount: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

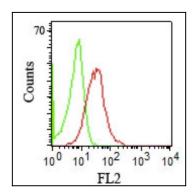
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

ELISA (For coating, order antibody without BSA); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);



Flow Cytometry staining of human PBMC's using CD1b Monoclonal Antibody (RIV12).