

## CD1b (T-Cell Surface Glycoprotein) Antibody

Mouse Monoclonal Antibody [Clone RIV12]

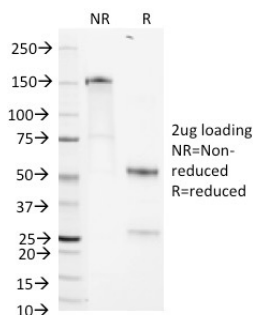
Catalog No	Format	Size
910-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
910-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
910-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

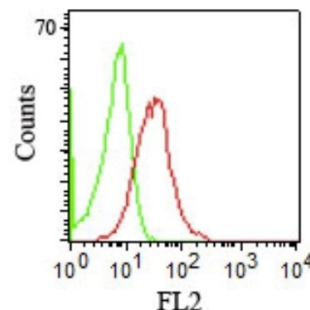
Product Details	
Clone	RIV12
Gene Name	CD1B
Immunogen	Human peripheral lymphocytes
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	49kDa
Cellular Localization	Cell membrane, Endosome membrane, Lysosome membrane
Species Reactivity	Human
Positive Control	MOLT4 cells. Human thymus.

\*Optimal dilution for a specific application should be determined.

### Product Images for CD1b (T-Cell Surface Glycoprotein) Antibody



SDS-PAGE Analysis of Purified CD1b Mouse Monoclonal Antibody (RIV12). Confirmation of Integrity and Purity of Antibody.



Flow Cytometric staining of human PBMCs using CD1b Mouse Monoclonal Antibody (RIV12).

### Specificity & Comments

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.

### Supplied As

200ug/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.

### Storage and Stability

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. No MSDS required.

### Research Areas

Dendritic Cell Marker, Immunology

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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