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[Marker Primary Antibody]

Rabbit Anti-CD1B /Biotin Conjugated antibody

Catalog Number: SL23494R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CD1B /Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human CD1B
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 Flow-Cyt=1ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Background:	background: This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq, Jul 2008] **Function:** Antigen-presenting protein that binds self and non-self lipid and

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	glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. **Subcellular Location:** Cell membrane. Endosome membrane. Lysosome membrane. Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes. Localizes to cell surface lipid rafts. **Tissue Specificity:** Cell membrane. Endosome membrane. Lysosome membrane. Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes. Localizes to cell surface lipid rafts. **Similarity:** Contains 1 Ig-like (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 910 Human Omim: 188360 Human **SwissProt:** P29016 Human **Unigene:** 1310 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.