

Product datasheet for **AM26757PU-N**

CD1B Mouse Monoclonal Antibody [Clone ID: SN13]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SN13
Applications:	IHC, IP
Recommended Dilution:	Flow cytometry. Immunoprecipitation. Immunohistochemistry on frozen sections. Immunohistochemistry on paraffin sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A cell membrane antigen preparation that was isolated from normal human thymocytes
Specificity:	This antibody recognizes CD1b, a 44 kDa type I glycoprotein associated with beta2-microglobulin. It is expressed on dendritic cells, Langerhans cells, thymocytes, and T acute lymphoblastic leukemia cells.
Formulation:	Phosphate buffered saline (PBS) State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD1b molecule
Database Link:	Entrez Gene 910 Human P29016



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Background:

CD1b (also known as R1) together with CD1a and c, belongs to group 1 of CD1 antigens. These non-classical MHC-like glycoproteins serve as antigen-presenting molecules for a subset of T cells that responds to specific lipids and glycolipids found in the cell walls of bacterial pathogens or self-glycolipid antigens such as gangliosides, and they have also roles in antiviral immunity. The trafficking routes of the particular CD1 types differ and correspond to their ability to bind and present different groups of antigens. Besides non-peptide glycolipid antigen presentation to CD1-restricted T cells, CD1b has been implicated in thymocyte development.

Synonyms:

CD1; CD1A; MGC125990; MGC125991; R1