

Datasheet for ABIN7317475

CD1b Protein (CD1B) (Fc Tag)

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Overview

Quantity:	100 µg
Target:	CD1b (CD1B)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD1b protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CD1B/CD1A Protein (Fc Tag)
Sequence:	Met 1-Ser 303
Characteristics:	A DNA sequence encoding the human CD1B (NP_001755) (Met1-Ser 303) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD1b (CD1B)
Alternative Name:	CD1B/CD1A (CD1B Products)
Background:	Background: CD1B contains 1 Ig-like (immunoglobulin-like) domain and belongs to the CD1 family. CD1 family members are transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-

Target Details

microglobulin. During protein synthesis and maturation, they bind endogenous lipids that are replaced by lipid or glycolipid antigens when the proteins are internalized and pass through endosomes, before trafficking back to the cell surface. CD1B localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens.. It is expressed on cortical thymocytes, epidermal Langerhans cells, dendritic cells, on certain T-cell leukemias, and in various other tissues. CD1B is an antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.

Synonym: CD1,CD1A,CD1B,R1

Molecular Weight: 58.6 kDa

NCBI Accession: [NP_001755](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.