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**Product Data Sheet**


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Product Name: CD1B Human

Cat. No.: GP22999

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	T-cell surface glycoprotein CD1b; CD1B; CD1; CD1A; R1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSEHAFQ GPTSFHVIQT SSFTNSTWAQ TQSGGWLDDL QIHGWSDSDG TAIFLKPWSK GNFSDKEVAE LEEIFRVYIF GFAREVQDFA GDFQMKYPFE IQGIAGCELH SGGAIVSFLR GALGGLDFLS VKNASCVPSP EGGSRAQKFC ALIIQYQGIM ETVRILLYET CRYLLGVLN AGKADLQRQV KPEAWLSSGP SPGPGRLQLV CHVSGFYPKP VWVMWMRGEQ EQQGTQLGDI LPNANWTWYL RATLDVADGE AAGLSCRVKH SSLEGQDIIL YWRNPTSIGS.		
Formulation	CD1B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.		

**Introduction**

CD1B belongs to CD1 family of transmembrane glycoproteins, which are structurally associated with the MHC proteins and form heterodimers with the beta-2-microglobulin. CD1B includes one Ig-like domain. CD1B is an antigen-presenting protein which connects self and nonself lipid and glycolipid antigens and displays them to T-cell receptors on natural killer T-cells.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

CD1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 310 amino acids (18-303a.a.) and having a molecular mass of

**Caution: Product has not been fully validated for medical applications. For research use only.**

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34.2kDa.CD1B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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