

## CD1B Human

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

**Catalog #:** PRPS-1274

For research use only.

**Synonyms:** T-cell surface glycoprotein CD1b, CD1B, CD1, CD1A, R1.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMSEHAFQ GPTSFHVIQT  
SSFTNSTWAQ TQGSGLWDDL QIHGWDSDSG TAIFLKPWSK GNFSDEKVAE LEEIFRVYIF  
GFAREVQDFA GDFQMKYPFE IQGIAGCELH SGGAIVSFLR GALGGLDFLS VKNASCVSPSP  
EGGSRAQKFC ALIIQYQGIM ETVRILLYET CPLYLLGVNL AGKADLQRQV KPEAWLSSGP  
SPGPGRLQLV CH

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

CD1B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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