

## 32-13072: CD1D Human

### Alternative Name :

Antigen-presenting glycoprotein CD1d, R3G1, CD antigen: CD1d, Differentiation Antigen CD1-Alpha-3, T-Cell Surface Glycoprotein CD1d, Thymocyte Antigen CD1D, CD1A, R3, CD1d Molecule, CD1D Antigen, D Polypeptide, CD1d Antigen, R3G1, HMC Class I, Antigen-Like Glycoprotein CD1D, Antigen-Presenting Glycoprotein CD1d.

### Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

CD1D, also known as antigen-presenting glycoprotein CD1d, is a transmembrane glycoprotein which belongs to the CD1 family of glycolipid antigen-presenting MHC-like molecules. CD1d-presented lipid antigens activate a special class of T cells, familiar as natural killer T (NKT) cells, during the interaction with the T-cell receptor present on NKT membranes. Once activated, NKT cells rapidly produce Th1 & Th2 cytokines, usually represented by interleukin 4 production.

CD1D produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 290 amino acids (20-301 a.a.) and having a molecular mass of 32.9kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CD1D is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** CD1D protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** EVPQRLFPLR CLQISSFANS SWTRTDGLAW LGELQTHSWS NSDTVRSLK PWSQGTFSQD  
QWETLQHIFR VYRSSFTRDV KEFAKMLRLS YPLELQVSAG CEVHPGNASN NFFHVAFQ GK DILSFQGT SW  
EPTQEAPLWV NLAIQVLN QD KWTRETVQWL LNGTCPQFVS GLLESGKSELKQV KPKAWL SRGSPGPGR  
LLL VCHVSGF YPKPVVWKWM RGEQEQQGTQ PGDILPNADE TWYLRATLDV VAGEAAGLSC  
RVKHSSLEGQ DIVLYWGGSY TSLEHHHHHH.