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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). CD1Dis 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 NDSDTVRSLK PWSQGTFSDQ QWETLQHIFR VYRSSFTRDV KEFAKMLRLS YPLELQVSAG CEVHPGNASN NFFHVAFQGK DILSFQGTSW EPTQEAPLWV NLAIQVLNQD KWTRETVQWL LNGTCPQFVS GLLESGKSELKKQVKPKAWL SRGPSPGPGR LLLVCHVSGF YPKPVWVKWM RGEQEQQGTQ PGDILPNADE TWYLRATLDV VAGEAAGLSC RVKHSSLEGQ DIVLYWGGSY TSLEHHHHHH.

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