9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CD1A Human

CD1A Human Recombinant
CDA0018

Product Overview

Name	CD1A Human
Description	
CD1A Human Recombinant	
Accession (Primary)	P06126
Synonyms	
T-cell surface antigen T6/Leu-6, hTa1 thymocyte antigen, R4, T6; CD1, FCB6, HTA1, CD1A.	
Introduction	
CD1a is a transmembrane glycoproteins, which is structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. CD1a mediates the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to the plasma membrane and to recycling vesicles of the early endocytic system. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CD1A protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), and 10% glycerol.	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
ADP DGLKEPL SFHVTWIASF YNHSWKQNLV SGWLSDLQTH TWDSNSSTIV FLCPWSRGNF SNEEWKELET LFRIRTIRSF EGIRRYAHEL QFEYPFEIQV TGGCELHSGK VSGSFLQLAY QGSDFVSFQN NSWLPYPVAG	

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NMAKHFCKVL NQNQHENDIT HNLLSDTCPR FILGLLDAGK AHLQRQVKPE AWLSHGPSPG PGHLQLVCHV SGFYPKPVWV MWMRGEQEQQ GTQRGDILPS ADGTWYLRAT LEVAAGEAAD LSCRVKHSSL EGQDIVLYWE HHSSV HHHHH H .

Precautions

CD1A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P06126)