PRODUCT INFORMATION

Target	CD1A
Synonyms	R4; T6; CD1; FCB6; HTA1
Description	Recombinant human CD1A protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P06126
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	CD1A(Asp19-Ser298)+hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 58.1 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Usage	Research use only
Conjugate	Unconjugated

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Human CD1A Protein, hFc Tag

Cat. No. PME100859

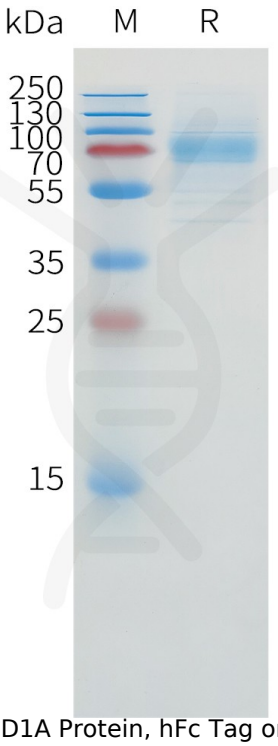


Figure 1. Human CD1A Protein, hFc Tag on SDS-PAGE under reducing condition.

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