

Product Information

MemDX™ Membrane Protein Human CD1A (CD1a molecule) for Antibody Discovery

Cat. No.: **MP0793J**

This product is for research use only and is not intended for diagnostic use.

This product is a 35.2 kDa Human CD1A membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD1A

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

35.2 kDa

TMD

1

Sequence

MLFLLLPLLA VLP GDGNADGLKEPLSFHVIWIASFYNH SWKQNLVSGWLS DLQTHTWDSNSSTIVFLWPW
SRGNFSNEEWKELETLFRIRTIRSFEGIRRYAHELQFEYPFEIQVTGGCELHSGKVSGSFLQLAYQGSD F
VSFQNN SWLPYPVAGNMAKH FCKVLNQNQHENDITHNLLSDTCPRFILGLLDAGKAHLQRQVKPEAWLSH
GPSPGPGHLQLVCHVSGFY PKPVWVMWMRGEQEQQGTQRGDILPSADGTWYLRATLEVAAGEAADLSCR V
KHSSLEGQDIVLYWEHHSSVGFILAVIVPLLLI GLALWFRKRCFC

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CD1A

Full Name

CD1a molecule

Introduction

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.

Alternative Names

CD1; FCB6; HTA1; R4; T6

Gene ID

[909](#)

UniProt ID

[P06126](#)