

Product Information

MemDX™ Membrane Protein Human CD1A (CD1a molecule expressed in *in vitro* wheat germ expression system) for Antibody Discovery

Cat. No.: **MP0183X**

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

This product is a 59.95 kDa Human CD1A membrane protein expressed in *in vitro* wheat germ expression system. 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

Molecular Weight

59.95 kDa

TMD

1

Sequence

MWNWLKEPLSFHVIWIASFYNHWSWKQNLVSGWLSDLQHTHTWDSNSSTIVFLWPWSRGNFSNEEWKELETLFRIIRTIRSFEGIRRYA

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

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; CD1A antigen; CD1A antigen, a polypeptide; OTTHUMP00000018907; T-cell surface antigen T6/Leu-6; T-cell surface glycoprotein CD1a; cluster of differentiation 1 A; cortical thymocyte antigen CD1A; differentiation antigen CD1-alpha-3, epidermal dendritic cell marker

Gene ID

[909](#)

UniProt ID

[P06126](#)