

Product Information

MemDX™ Membrane Protein Human CD1A (CD1a molecule) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX3819K**

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

This product is a Human CD1A membrane protein expressed *in vitro* E.coli 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 of Mature Protein

Protein Class

Immunity

TMD

1

Sequence

NADGLKEPLSFHVTWIASFYNHWSWKQNLVSGWLSDLQTHTWDSNSSTIVFLCPWSRGNFSNEEWKELETFLFRIRTIRSFEGIRRYA

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

CD1A; R4; T6; CD1; FCB6; HTA1; T-cell surface glycoprotein CD1a; CD1A antigen, a polypeptide; T-cell surface antigen T6/Leu-6; cluster of differentiation 1 A; cortical thymocyte antigen CD1A; differentiation antigen CD1-alpha-3; epidermal dendritic cell marker CD1a; hTa1 thymocyte antigen; CD1a molecule

Gene ID

[909](#)

UniProt ID

[P06126](#)