

Product Information

MemDX™ Membrane Protein Human MAL (Mal, T cell differentiation protein, transcript variant a) for Antibody Discovery

Cat. No.: **MP0308J**

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

This product is a 16.5 kDa Human MAL 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

MAL

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

16.5 kDa

TMD

4

Sequence

MAPAAATGGSTLPSGFSVFTTLPDLLFIFEIFGGVLVWILVASSLPWPLVQGWVMFVSVFCFVATTTLI
ILYIIGAHHGETSWVTLDAAAHCTAALFYLSASVLEALATITMQDGFTYRHYHENIAAVVFSYIATLLYV
VHAVFSLIRWKSS

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**

MAL

Full Name

Mal, T cell differentiation protein

Introduction

The protein encoded by this gene is a highly hydrophobic integral membrane protein belonging to the MAL family of proteolipids. The protein has been localized to the endoplasmic reticulum of T-cells and is a candidate linker protein in T-cell signal transduction. In addition, this proteolipid is localized in compact myelin of cells in the nervous system and has been implicated in myelin biogenesis and/or function. The protein plays a role in the formation, stabilization and maintenance of glycosphingolipid-enriched membrane microdomains. Down-regulation of this gene has been associated with a variety of human epithelial malignancies. Alternative splicing produces four transcript variants which vary from each other by the presence or absence of alternatively spliced exons 2 and 3.

Alternative Names

T-cell differentiation protein MAL; T-lymphocyte maturation-associated protein; myelin and lymphocyte protein; mal, T-cell differentiation protein; MVP17; VIP17; T-lymphocyte maturation-associated protein

Gene ID

[4118](#)

UniProt ID

[P21145](#)