

## 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

MAPAAATGGSTLPSGVFTTLPDLLFIFEFIFGGLVWILVASSLVPWPLVQGWWMFVSFVFVATTLI  
ILYIIGAHGGETSWVTLDAAYHCTAALFYLSASVLEALATITMQDGFTYRHYHENIAAVVFSYIATLLYV  
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](#)