

# Product Information

## MemDX™ Antibody Discovery - Rat TIGIT (17-138) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0482F**

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

This membrane protein is Rat TIGIT (17-138). It has been tested in SDS-PAGE, ELISA, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Rat

#### Target Protein

TIGIT

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 39.9 kDa. As a result of glycosylation, the protein migrates as 48-55 kDa under reducing (R) condition, and 85-110 kDa under non-reducing (NR) condition (SDS-PAGE).

#### Sequence

AA Ala 17 - Ala 138 (Accession # D3ZTQ2).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA, BLI

#### Expression Systems

HEK293

#### Tag

Human IgG1 Fc tag at the C-terminus

#### Protein Format

Soluble

#### Form

LYOPH

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Purity**

>95% as determined by reduced SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

**Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

**Target****Target Protein**

TIGIT

**Full Name**

T cell immunoreceptor with Ig and ITIM domains

**Introduction**

This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses

**Alternative Names**

TIGIT, T cell immunoreceptor with Ig and ITIM domains, RGD1563191,

**Gene ID**

[363784](#)

**UniProt ID**

[D3ZTQ2](#)