

## Product Information

### **MemDX™ Antibody Discovery - Human TIGIT (22-141) Membrane Protein, Partial, -hIgG1 Fc tag**

Cat. No.: **MP0490F**

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

This membrane protein is Human TIGIT (22-141). It has been tested in SDS-PAGE, ELISA, BLI, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

#### Product Specifications

##### Host Species

Human

##### Target Protein

TIGIT

##### Protein Length

ECD

##### Molecular Weight

The protein has a calculated MW of 39.7 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

##### Sequence

AA Met 22 - Pro 141 (Accession # Q495A1 -1).

#### Product Description

##### Activity

Yes

##### Application

SDS-PAGE, ELISA, BLI, FACS

##### 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

>90% 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

VSIG9; VSTM3; WUCAM; T-cell immunoreceptor with Ig and ITIM domains; V-set and immunoglobulin domain containing 9; V-set and immunoglobulin domain-containing protein 9; V-set and transmembrane domain containing 3; V-set and transmembrane domain-containing protein 3; VSIG9, VSTM3; Washington University cell adhesion molecule

### Gene ID

[201633](#)

### UniProt ID

[Q495A1](#)