

## Product Information

**MemDX™ Membrane Protein Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (22-141aa)**

Cat. No.: **MPX4262K**

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

This product is a 29.1kDa Human TIGIT membrane protein expressed in *E.coli*. 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

TIGIT

#### Protein Length

Partial (22-141aa)

#### Protein Class

Receptor

#### Molecular Weight

29.1kDa

#### TMD

1

#### Sequence

MMTGTIETTGNISAEGKGSILQCHLSSTTAQVTQVNWEQQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFC

### Product Description

#### Expression Systems

*E.coli*

#### Tag

6xHis and SUMO tag at the N-terminus

#### Protein Format

Soluble

**Form**

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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**

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; 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; T cell immunoreceptor with Ig and ITIM domains

**Gene ID**

[201633](#)

**UniProt ID**

[Q495A1](#)