

Product Information

MemDX™ Membrane Protein Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) Expressed in CHO for Antibody Discovery, Partial (22-141aa)

Cat. No.: **MPX0553K**

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

This product is a 40 kDa Human TIGIT membrane protein expressed in CHO. 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

40 kDa

TMD

1

Sequence

MMTGTIETTGNISAEGGSIILQCHLSST
TAQVTQVNWEQQDQLLAICNADLGWHISPSFKDRVAPGPGGLTLQSLTV
NDTGEYFCIYHTYPDGYTGRIFLEVLESSVAEHGARFQIP

Product Description

Activity

Yes

Expression Systems

CHO

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

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](#)