

Product Information

MemDX™ Antibody Discovery - Human TIGIT (22-141) Membrane Protein, Partial, -His tag

Cat. No.: **MP0489F**

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, SPR, SEC-MALS, 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 14.9 kDa. The protein migrates as 17-21 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, SPR, SEC-MALS, FACS

Expression Systems

HEK293

Tag

His 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 SDS-PAGE.

>90% as determined by SEC-MALS.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. 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](#)