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Product Information

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

Cat. No.: **MP0484F**
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, 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 16.8 kDa. The protein migrates as 18-25 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, FACS

Expression Systems
HEK293

Tag
Avi tag at the C-terminus, followed by a His tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>95% as determined by reduced SDS-PAGE.

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 coditions 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 immunoglobin 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

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