

## Active Recombinant Human TIGIT protein, mFc-tagged

Cat. No. TIGIT-108H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TIGIT protein(Met 22 - Pro 141), fused with mFc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 22 - Pro 141
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human CD155, Fc Tag at 5 µg/mL (100 µL/well) can bind Human TIGIT, Mouse IgG2a Fc Tag with a linear range of 0.5-4 ng/mL. Serial dilutions of TIGIT Antibody (1:2 serial dilutions, from 20 µg/mL to 0.0097 µg/mL) were added into Human TIGIT, Mouse IgG2a Fc Tag: Biotinylated Human Nectin-2, Fc,Avitag binding reactions. The assay was performed according to the above described protocol. Background was subtracted from data points before curve fitting.
<b>Molecular Mass</b>	This protein carries a mouse IgG2a Fc tag at the C-terminus.The protein has a calculated MW of 40.1 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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**Storage**

For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

TIGIT T cell immunoreceptor with Ig and ITIM domains [ Homo sapiens ]

**Official Symbol**

TIGIT

**Synonyms**

TIGIT; T cell immunoreceptor with Ig and ITIM domains; V set and immunoglobulin domain containing 9 , V set and transmembrane domain containing 3 , VSIG9, VSTM3; T-cell immunoreceptor with Ig and ITIM domains; DKFZp667A205; FLJ39873; V-set and transmembrane domain containing 3; V-set and immunoglobulin domain containing 9; Washington University cell adhesion molecule; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9; VSIG9; VSTM3; WUCAM;

**Gene ID**

201633

**mRNA Refseq**

NM\_173799

**Protein Refseq**

NP\_776160

**MIM**

612859

**UniProt ID**

Q495A1

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