Active Recombinant Human TIGIT protein, mFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TIGIT protein(Met 22 - Pro 141), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met 22 - Pro 141
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	>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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