

Active Recombinant Human TIGIT protein, mFc-Avi-tagged, Biotinylated

Cat. No. TIGIT-0800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TIGIT protein(Met22-Pro141), fused with mFc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-141 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD155, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human TIGIT, Mouse IgG2a Fc,Avitag with a linear range of 1-10 ng/mL. Immobilized Biotinylated Human TIGIT, Mouse IgG2a Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human TIGIT Antibody with a linear range of 2-16 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 41.6 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Met22-Pro141

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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.
Conjugation	Biotin

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

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MIM	612859
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UniProt ID	Q495A1
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