

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

Cat. No. TIGIT-0631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TIGIT protein(Met 22 - Pro 141), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met 22 - Pro 141
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human CD155, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human TIGIT, Fc,Avitag with a linear range of 10-156 ng/mL.Serial dilutions of Human TIGIT Neutralizing antibody were added into Human CD155, Mouse IgG2a Fc Tag, low endotoxin: Biotinylated Human TIGIT, Fc,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.08116 µg/mL.Serial dilutions of Human TIGIT Neutralizing antibody were added into Human CD155, Fc Tag: Biotinylated Human TIGIT, Fc,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.06065 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 41.3 kDa. As a result of glycosylation,

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	the protein migrates as 45-55 kDa under reducing (R) condition, and 85-115 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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.
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;

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Gene ID	201633
mRNA Refseq	NM_173799
Protein Refseq	NP_776160
MIM	612859
UniProt ID	Q495A1

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