Active Recombinant Human TIGIT protein, His-tagged, Biotinylated

Cat. No. TIGIT-2347HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIGIT protein (NP_776160.2) (Met1-Phe138), fused with a C-terminal polyhistidine tag, was expressed in HEK293 Cells. The purified protein was biotinylated in vitro.
Species	Human
Source	HEK293
ProteinLength	1-138 a.a.
Predicted N Terminal	Met 22
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human TIGIT Protein (His Tag)/Biotin at 10 μg/ml (100 μl/well) can bind human mPVR-Fch /mCD155-Fch with a linear range of 1.28-20 μg/ml. Using the Octet RED System, the affinity constant (Kd) of TIGIT Protein, Human, Recombinant (His Tag), Biotinylated bound to MITG7192A was 0.1 nM.
Molecular Mass	The recombinant TIGIT consists of 128 amino acids and predicts a molecular mass of 14.2 kDa.

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Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
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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