Active Recombinant Human TIGIT Homodimer Protein, His tagged

Cat. No. TIGIT-60H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIGIT protein dimer contains a TIGIT extracellular domain (UniProt# Q495A1) with a His tag at the C-terminus was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	22-141 aa
Description	Human TIGIT (T-cell immunoreceptor with Ig and ITIM domains) is also known as VSIG9 (V-set and immunoglobulin domain-containing protein 9) and VSTM3 (V-set and transmembrane domain-containing protein 3). TIGIT is a type I membrane protein containing an immunoglobulin variable (Ig-V) domain, a transmembrane domain and cytoplasmic domain. TIGIT is an immune receptor present on peripheral memory and regulatory CD4+ T cells and natural killer (NK) cells. TIGIT binds to CD155 (the poliovirus receptor, PVR) with high affinity and binds to CD112 (PVRL2) with lower affinity. Nectin-4 is also a ligand for TIGIT.
Molecular Mass	42 kDa
Purity	Greater than 90% dimer form as determined by SDS-PAGE under non-reducing condition
Application	Verified Applications: ELISA for TIGIT-specific antibody and Nectin-4 ligand protein

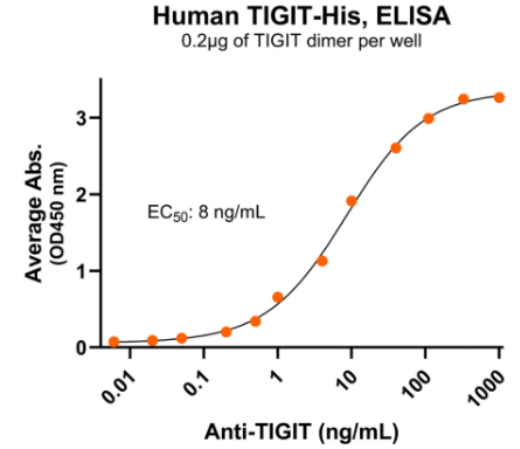
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	binding assays. Suggested Applications: ELISA for TIGIT-specific antibody, Nectin-4 ligand protein, and CD155 receptor protein binding assays. SPR & BLI for TIGIT-specific antibody, Nectin-4 ligand protein, and CD155 receptor protein binding assays. Animal immunization, RUO.
Storage	Store at -80 centigrade.
Storage Buffer	0.22μm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

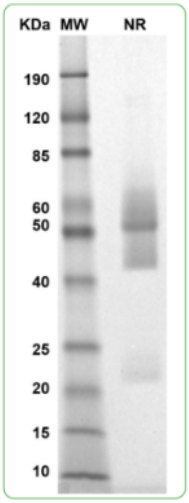
GENE INFORMATION

Gene Name	TIGIT T cell immunoreceptor with Ig and ITIM domains [Homo sapiens (human)]
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
UniProt ID	Q495A1
Bioactivity-Antibody Binding	 Immobilized TIGIT-His dimer protein at 2 μg/mL (100 μL/well) can bind anti-human TIGIT monoclonal antibody with half maximal effective concentration (EC50) range of 4.1-16.6 ng/mL (QC tested).

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SDS-PAGE and WB	 MW: Molecular Weight marker reduced condition NR: TIGIT dimer under non-reducing condition

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