

Active Recombinant Human TIGIT Homodimer Protein, Fc tagged

Cat. No. TIGIT-58H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIGIT protein dimer contains a TIGIT extracellular domain with a homodimer Fc 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), 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	104 kDa
Purity	> 90% dimer form as determined by SDS PAGE under non-reducing conditions.
Application	Verified Applications: ELISA for TIGIT-specific antibody, Nectin-4 ligand protein and CD155 receptor protein binding assays. Suggested Applications: SPR & BLI for

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TIGIT-specific antibody, Nectin-4 ligand protein and CD155 receptor protein binding assays. Animal immunization, RUO.

Storage	Store at -80 centigrade.
Storage Buffer	0.2µm filtered PBS, pH 7.4, no preservatives
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
MIM	612859

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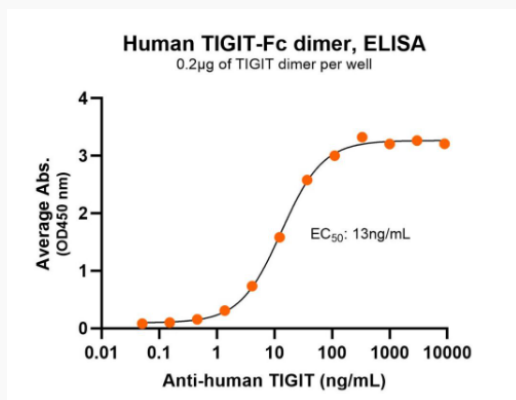
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UniProt ID

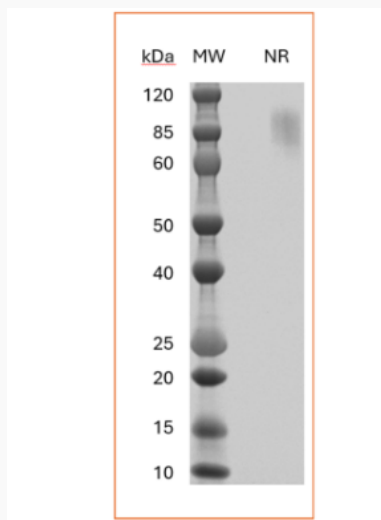
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Bioactivity-Antibody Binding



Immobilized TIGIT-Fc dimer protein at 2 µg/mL (100 µL/well) can bind anti-human TIGIT monoclonal antibody with EC₅₀ range of 6.27-25.07 ng/mL (QC tested).

SDS-PAGE and WB



MW: Molecular Weight marker reduced condition NR: TIGIT dimer under non-reducing condition

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