

Active Recombinant Human TIGIT, Fc-tagged

Cat. No. TIGIT-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIGIT (Met22-Pro141) with Fc tag was expressed in CHO Cells.
Species	Human
Source	CHO
ProteinLength	22-141 a.a.
Description	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.
Predicted N Terminal	Met22
Form	Lyophilized from a 0.2 µm filtered solution in PBS.?
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human CD155/PVR is coated at 2.5?µg/mL (100?µL/well), the concentration of Recombinant Human TIGIT Fc Chimera that produces 50%?optimal binding response is typically?20-100 ng/mL.
Molecular Mass	39.6 kDa (monomer)

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Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
GENE INFORMATION	
Gene Name	TIGIT?T cell immunoreceptor with Ig and ITIM domains [?Homo sapiens?(human)]
Official Symbol	TIGIT
Synonyms	TIGIT; VSIG9; VSTM3; WUCAM; T cell immunoreceptor with Ig and ITIM domains; T-cell immunoreceptor with Ig and ITIM domains; 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
Gene ID	201633
mRNA Refseq	NM_173799
Protein Refseq	NP_776160
MIM	612859
UniProt ID	Q495A1
Chromosome	3q13.31

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Location	
Pathway	Cell adhesion molecules (CAMs)
Function	protein binding; receptor binding

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