

## Active Recombinant Human TIGIT, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TIGIT (Met22-Pro141) with Fc tag was expressed in CHO Cells.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	22-141 a.a.
<b>Description</b>	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.
<b>Predicted N Terminal</b>	Met22
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.?
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	39.6 kDa (monomer)

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<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in PBS.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TIGIT?T cell immunoreceptor with Ig and ITIM domains [?Homo sapiens?(human) ]
<b>Official Symbol</b>	TIGIT
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">201633</a>
<b>mRNA Refseq</b>	<a href="#">NM_173799</a>
<b>Protein Refseq</b>	<a href="#">NP_776160</a>
<b>MIM</b>	<a href="#">612859</a>
<b>UniProt ID</b>	<a href="#">Q495A1</a>
<b>Chromosome</b>	3q13.31

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**Location**

**Pathway**

Cell adhesion molecules (CAMs)

**Function**

protein binding; receptor binding

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