

## Active Recombinant Human TIGIT Protein (Met22-Pro141, A103), C-Fc-tagged

Cat. No. TIGIT-356H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TIGIT Protein (Met22-Pro141, A103) with a Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Chinese Hamster Ovary cell line.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Met22-Pro141, A103
<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>Form</b>	Disulfide-linked homodimer
<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 (A103) Fc Chimera that produces 50% optimal binding response is 40-200 ng/mL.
<b>Molecular Mass</b>	Predicted Molecular Mass: 40 kDa

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	SDS-PAGE: 40-53 kDa, reducing conditions
<b>N-terminal Sequence Analysis</b>	Met22
<b>Endotoxin</b>	< 0.10 EU/μg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 500 μg/mL in PBS.
<b>Shipping</b>	The product is shipped at ambient temperature.
<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; T cell immunoreceptor with Ig and ITIM domains; VSIG9; VSTM3; WUCAM; T-cell immunoreceptor with Ig and ITIM domains; V-set and immunoglobulin domain containing 9; V-set and immunoglobulin domain-containing protein 9; V-set and transmembrane domain containing 3; V-set and transmembrane domain-containing

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protein 3; VSIG9, VSTM3; Washington University cell adhesion molecule

**Gene ID** [201633](#)

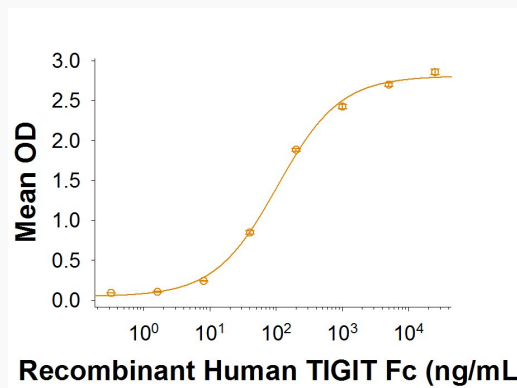
**mRNA Refseq** [NM\\_173799](#)

**Protein Refseq** [NP\\_776160](#)

**MIM** [612859](#)

**UniProt ID** [Q495A1](#)

**Binding Activity**



When Recombinant Human CD155/PVR is immobilized at 2.5 µg/mL, Recombinant Human TIGIT (A103) Fc Chimera binds with an ED50 of 40-200 ng/mL.

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