

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	Met22-Pro141, A103
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.
Form	Disulfide-linked homodimer
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 (A103) Fc Chimera that produces 50% optimal binding response is 40-200 ng/mL.
Molecular Mass	Predicted Molecular Mass: 40 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	SDS-PAGE: 40-53 kDa, reducing conditions
N-terminal Sequence Analysis	Met22
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

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; 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

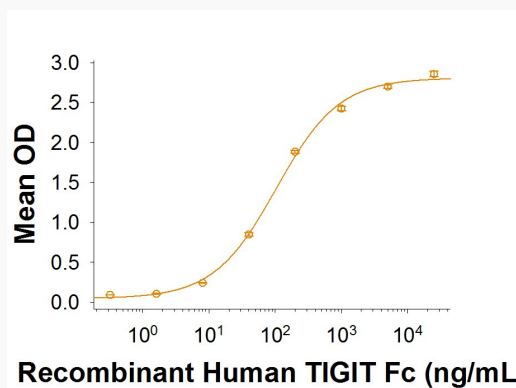
mRNA Refseq NM_173799

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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