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Human TIGIT Protein; His Tag

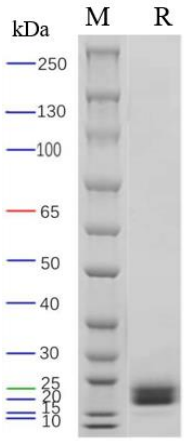
Product Information

Product Name	Human TIGIT Protein; His Tag
Storage temp.	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-87661RP-100 / 100 μg** **GM-87661RP-1000 / 1 mg**

Protein Information

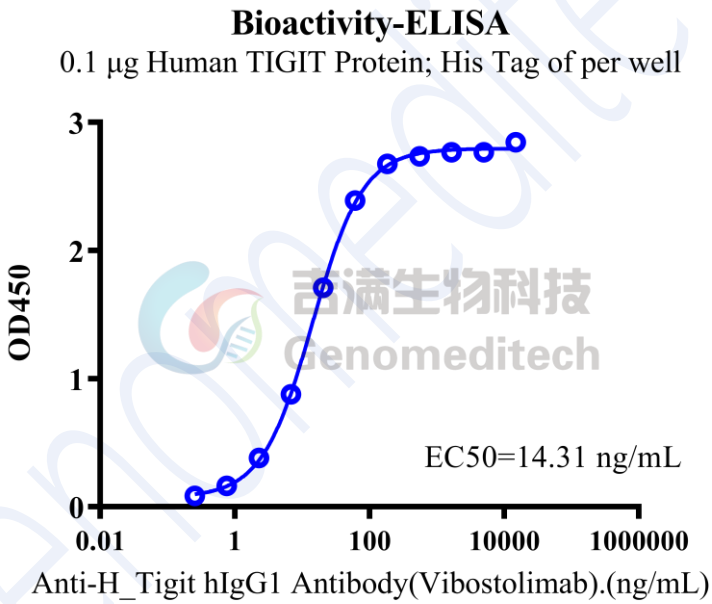
Alternative Names	TIGIT,VSIG9,VSTM3
Source	Human TIGIT Protein; His Tag (GM-87661RP) is expressed from human 293 cells (HEK-293). It contains AA Met 22 - Pro 141 (Accession # Q495A1-1). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	13.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Description	The TIGIT protein (T cell immunoreceptor with Ig and ITIM domains) is an immune receptor belonging to the immunoglobulin superfamily. The TIGIT protein plays an important role in regulating immune responses and maintaining immune balance. The structure of the TIGIT protein includes an immunoglobulin domain, a transmembrane domain, and an intracellular immunoreceptor tyrosine-based inhibitory motif (ITIM) domain. The TIGIT protein is mainly expressed in T cells, NK cells, and regulatory T cells. It binds to its ligand CD155 (also known as PVR) and regulates the activation and function of immune cells through its ITIM domain. The TIGIT protein plays a crucial role in regulating T cell activation and function, primarily through competitive inhibitory signals that suppress T cell activation and effector functions. Additionally, the TIGIT protein is also involved in regulating the activation and function of NK cells, playing an important role in immune responses and immune tolerance.

SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Human TIGIT Protein; His Tag (Catalog # GM-87661RP) was immobilized at 1 μg/ml (100 μL/well). Increasing concentrations of Anti-H_Tigit hIgG1 Antibody(Vibostolimab) (Catalog # GM-24029AB) were added.