

Human TIGIT Protein; hFc Tag

Product Information

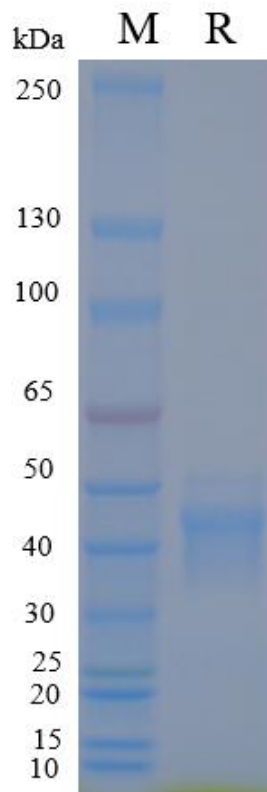
Product Name	Human TIGIT Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Catalog# / Size	GM-88682RP-100 / 100 μg GM-88682RP-1000 / 1 mg
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Protein Information

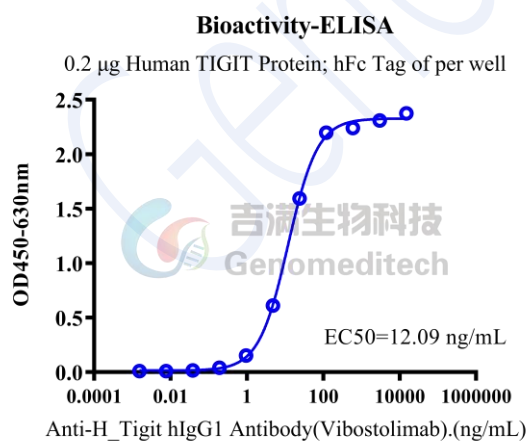
Alternative Names	VSIG9, VSTM3
Source	Human TIGIT Protein; hFc Tag (GM-88682RP) is expressed from human 293 cells (HEK-293). It contains AA Met 22 - Pro 141 (Accession # Q495A1-1). This protein carries a hFc tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	39.0 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	TIGIT protein, full name T cell Immunoreceptor with Ig and ITIM domains, also known as WUCAM, Vstm3, or VSIG9, is an important immune checkpoint receptor and a member of the poliovirus receptor-like protein (PVR) family of immunoregulatory molecules. Currently, TIGIT-targeted therapeutic strategies have shown significant clinical promise, with multiple anti-TIGIT monoclonal antibodies (e.g., Tiragolumab, Vibostolimab, and Domvanalimab) being actively investigated in clinical trials as monotherapies or in combination with PD-1/PD-L1 inhibitors. In summary, TIGIT protein plays a pivotal role in tumor immune evasion and cancer progression, and holds great significance for understanding tumor immunology, identifying novel immune checkpoint targets, developing next-generation immunotherapies, and evaluating patient prognosis in the era of precision immuno-oncology.

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 90%.

Bioactivity-ELISA



Human TIGIT Protein; hFc Tag (Catalog # GM-88682RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_Tigit hIgG1 Antibody (Vibostolimab) (Catalog # GM-24029AB) were added.