

Cynomolgus TIGIT Protein; His Tag

Product Information

Product Name	Cynomolgus TIGIT Protein; His 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-88865RP-100 / 100 μg GM-88865RP-1000 / 1 mg

Protein Information

Alternative Names	VSIG9, VSTM3
Source	Cynomolgus TIGIT Protein; His Tag (GM-88865RP) is expressed from human 293 cells (HEK-293). It contains AA Met 22 - Ile 141 (Accession # XP_015300911.2). This protein carries a His 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	14.1 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
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.

Figures

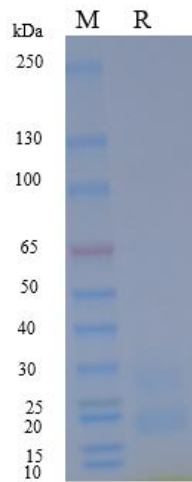


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

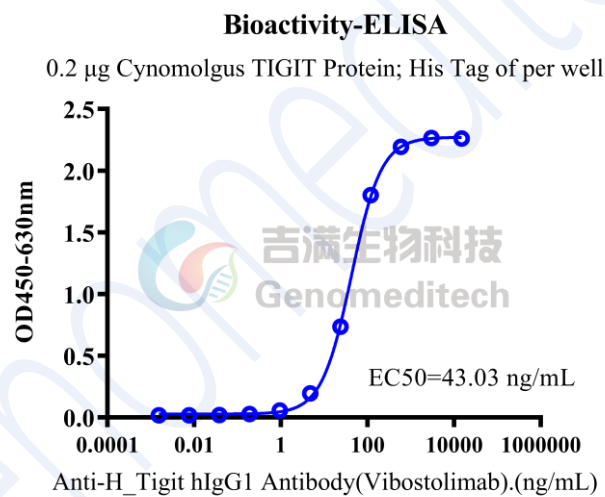


Figure 2 | Cynomolgus TIGIT Protein; His Tag (Catalog # GM-88865RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_Tigit hIgG1 Antibody(Vibostolimab) (Catalog # GM-24029AB) were added.

Related Products

TIGIT:PVR:CD155:CD226	
H_TIGIT CD226 Reporter Jurkat Cell Line	Cynomolgus_TIGIT CHO-K1 Cell Line
H_CD226 CHO-K1 Cell Line	H_PVR(CD155) aAPC CHO-K1 Cell Line
H_PVR(CD155) CHO-K1 Cell Line	H_PVR(CD155) Raji Cell Line
H_TIGIT CHO-K1 Cell Line	
Anti-H_Tigit hIgG1 Antibody(Vibostolimab)	
Human TIGIT Protein; hFc Tag	Human TIGIT Protein; His Tag