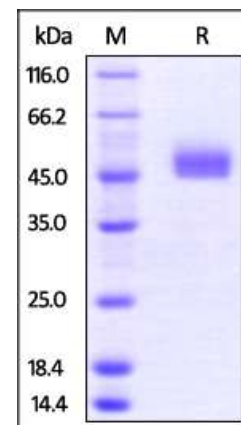


Human CellExp™ TIGIT, Fc Tag Mouse Recombinant

CATALOG NO:	P1213-10	10 µg
	P1213-50	50 µg
ALTERNATE NAMES:	TIGIT, VSIG9, VSTM3	
SOURCE:	HEK 293 cells (Gly 26 - Thr 143)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 40 kDa. The protein migrates as 45-52 kDa under reducing (R) condition (SDS-PAGE).	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH 7.5. Normally trehalose is added as protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.	
DESCRIPTION:	T-cell immunoreceptor with Ig and ITIM domains (TIGIT) is also known as V-set and immunoglobulin domain-containing protein 9 (VSIG9), V-set and transmembrane domain-containing protein 3 (VSTM3), which belongs to single-pass type I membrane protein containing an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM). TIGIT is expressed at low levels on peripheral memory and regulatory CD4+ T-cells and NK cells and is up-regulated following activation of these cells (at protein level). TIGIT binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells.	
SPECIFIC ACTIVITY:	Immobilized Mouse TIGIT, Fc Tag at 5µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 2.5-20 µg/mL.	

A



B

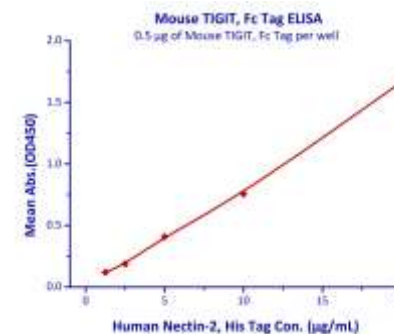


Fig. A. Mouse TIGIT, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue.

Fig. B. Immobilized Mouse TIGIT, Fc Tag at 5µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 2.5-20 µg/mL.

RELATED PRODUCT:

- Human CellExp™ TIGIT, rat recombinant (Cat. No. P1089)
- Human CellExp™ TIGIT, human recombinant (Cat. No. 8015)
- Human CellExp™ TIGIT, rabbit recombinant (Cat. No. P1089)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

FOR RESEARCH USE ONLY! Not to be used on humans.