

Rat TIGIT Protein

Cat. No. TIG-RM310



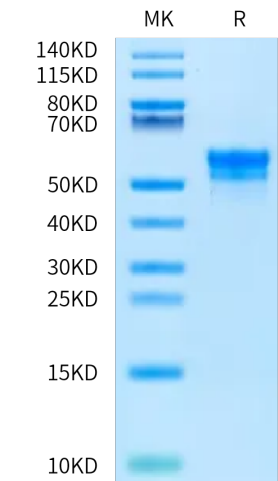
Description	
Source	Recombinant Rat TIGIT Protein is expressed from HEK293 with mFc (IgG2a) tag at the C-terminus. It contains Ala17-Gln136.
Accession	D3ZTQ2
Molecular Weight	The protein has a predicted MW of 39.47 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
TIGIT, also called Vstm3, Vsig9, and WUCAM, is a transmembrane protein in the CD28 family of the Ig superfamily proteins.IGIT 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.	

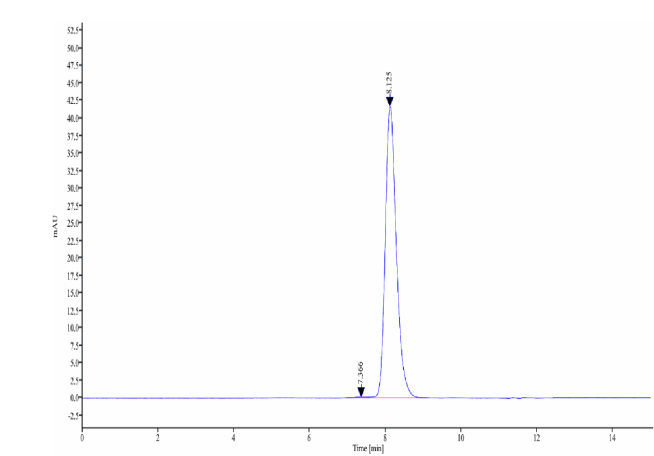
Assay Data

Bis-Tris PAGE



Rat TIGIT on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Rat TIGIT is greater than 95% as determined by SEC-HPLC.

Rat TIGIT Protein

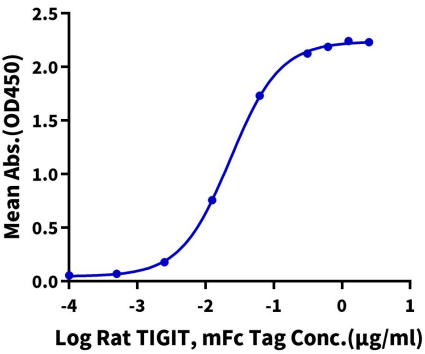
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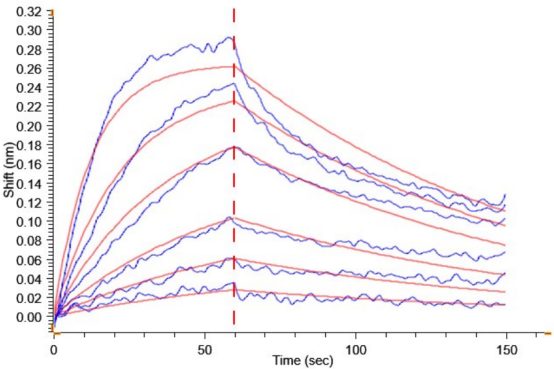
ELISA Data

Rat TIGIT, mFc Tag ELISA
0.1µg Mouse CD155, His Tag Per Well



Immobilized Mouse CD155, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Rat TIGIT, mFc Tag with the EC50 of 23.1ng/ml determined by ELISA.

BLI Data



Loaded Mouse CD155, His Tag on Anti-His-Biosensor can bind Rat TIGIT, mFc Tag with an affinity constant of 6.93 nM as determined in BLI assay (Gator® Prime).