

Mouse TIGIT Protein

Cat. No. TIG-MM210



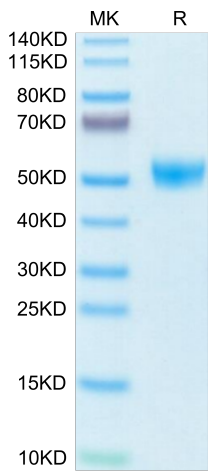
Description	
Source	Recombinant Mouse TIGIT Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly26-Thr143.
Accession	NP_001139797.1
Molecular Weight	The protein has a predicted MW of 39.7 kDa. Due to glycosylation, the protein migrates to 48-57 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. 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

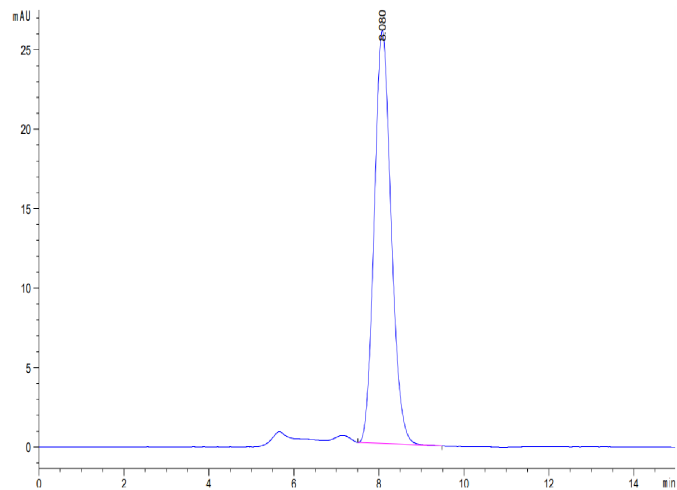
Tris-Bis PAGE



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

SEC-HPLC

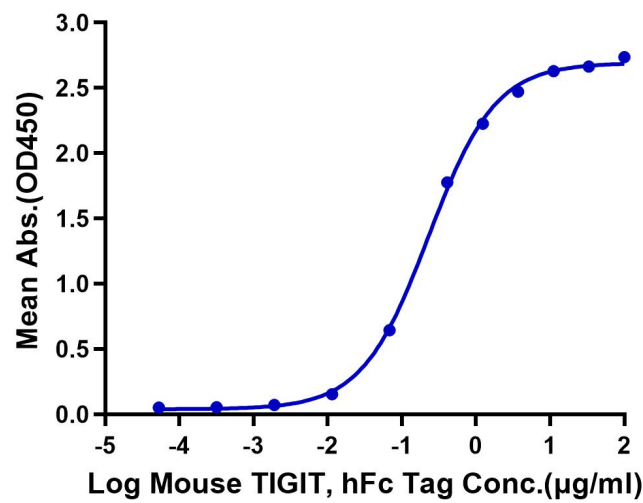
Assay Data



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

ELISA Data

**Mouse TIGIT, hFc Tag ELISA**  
0.05µg Mouse CD155, His Tag Per Well



Immobilized Mouse CD155, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.23µg/ml determined by ELISA.