

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 Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 μm 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 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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. 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.

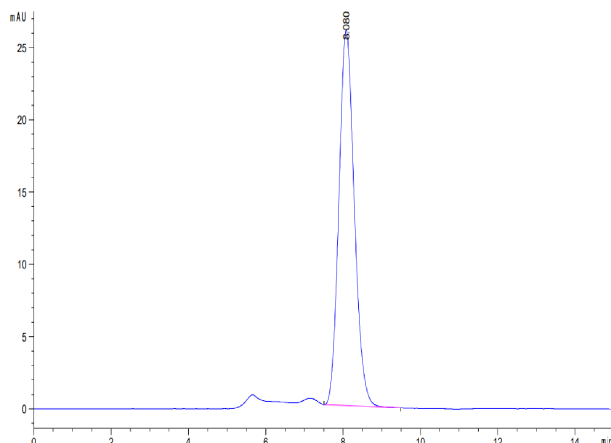
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



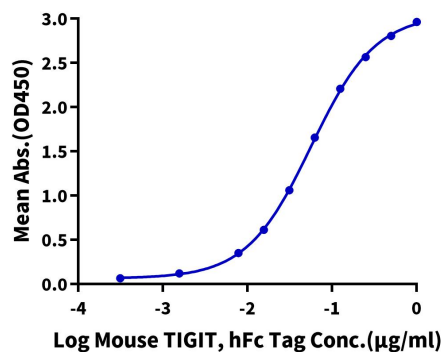
The purity of Mouse TIGIT is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse TIGIT, hFc Tag ELISA

0.5µg Mouse CD155, His Tag Per Well



Immobilized Mouse CD155, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 56.5ng/ml determined by ELISA