

## Mouse TIGIT Protein

Cat. No. TIG-MM110



### Description

Source	Recombinant Mouse TIGIT Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly26-Thr143.
Accession	NP_001139797.1
Molecular Weight	The protein has a predicted MW of 14 kDa. Due to glycosylation, the protein migrates to 25-30 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

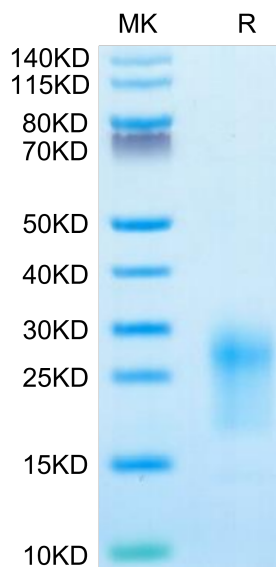
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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. 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



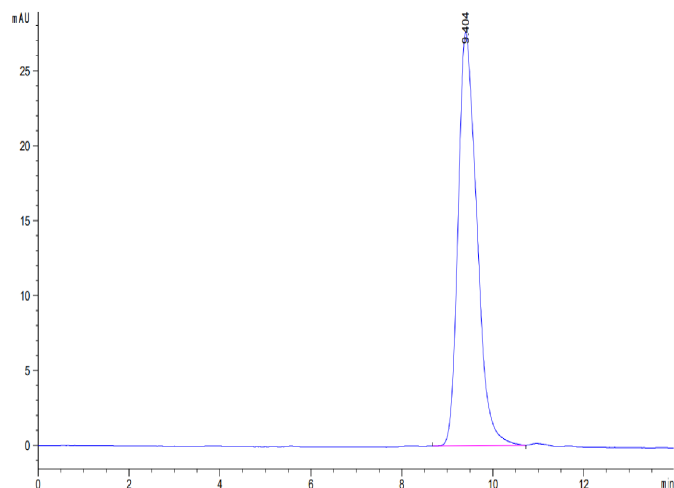
Mouse TIGIT on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

#### SEC-HPLC

## Mouse TIGIT Protein

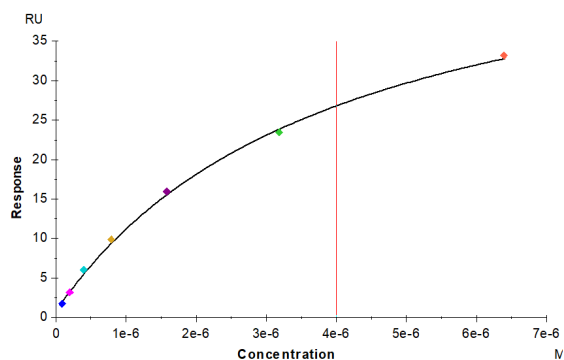
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### Assay Data



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

### SPR Data



Mouse CD155, His Tag immobilized on CM5 Chip can bind Mouse TIGIT, His Tag with an affinity constant of 4.00  $\mu\text{M}$  as determined in SPR assay (Biacore T200).