# Cynomolgus/Rhesus macaque TIGIT Protein

**Cat. No.** TIG-CM110

## Description

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|---|---|
| **Source** | Recombinant Cynomolgus/Rhesus macaque TIGIT Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Met22-Ile141. |
| **Accession** | XP_015300911.1 |
| **Molecular Weight** | The protein has a predicted MW of 14.4 kDa. Due to glycosylation, the protein migrates to 18-25 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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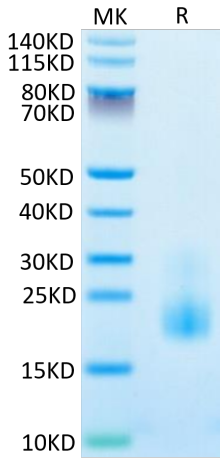
|---|---|
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the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

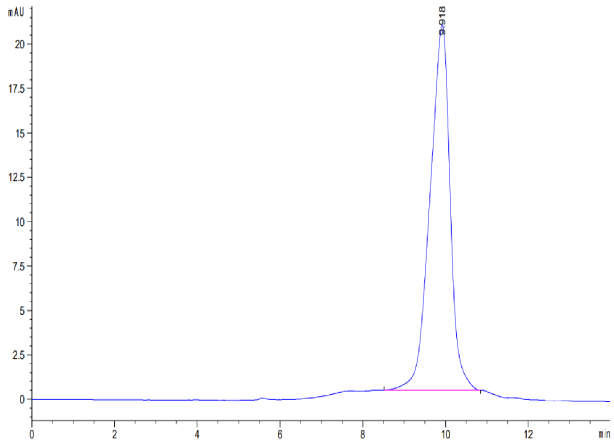
## Assay Data

### Bis-Tris PAGE




Cynomolgus/Rhesus macaque TIGIT on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC




The purity of Cynomolgus/Rhesus macaque TIGIT is greater than 95% as determined by SEC-HPLC.

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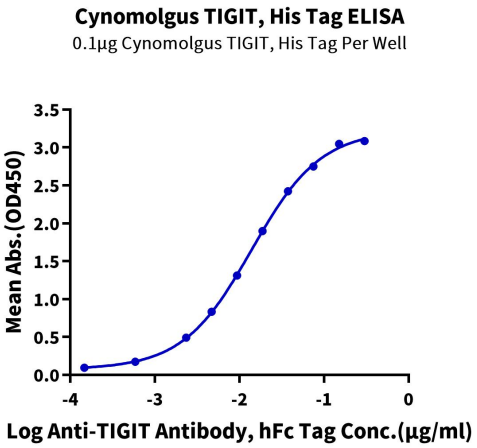
## Assay Data

### ELISA Data




Immobilized Cynomolgus/Rhesus macaque TIGIT, His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Anti-TIGIT Antibody, hFc Tag with the EC50 of 14.1ng/ml determined by ELISA (QC Test).

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