

Biotinylated Recombinant Human TIGIT Protein

Catalog No.: RP02075B

Sequence Information

Species	Gene ID
Human	201633
Swiss Prot	Tags
Q495A1	C-His&Avi

Synonyms

VSIG9, VSTM3, WUCAM, TIGIT

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW/Observed MW

16.1 kDa 20-25 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description

Biotinylated Recombinant Human TIGIT Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met22-Pro141) of Human TIGIT fused with a His tag and Avi tag at the C-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

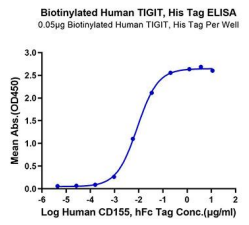
Contact

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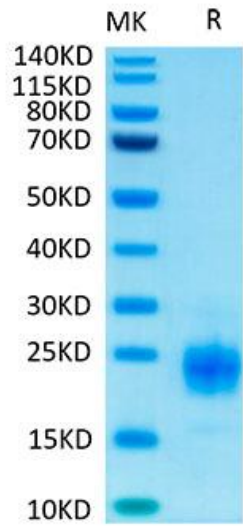
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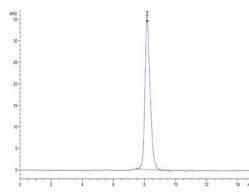
Validation Data



Immobilized Biotinylated Human TIGIT, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD155, hFc Tag with the EC₅₀ of 8.7ng/ml determined by ELISA.



Biotinylated Recombinant Human TIGIT Protein was determined by Tris-Bis PAGE under reducing conditions.



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