

Catalog No.: RP02075B **Recombinant**

Species	Gene ID	Swiss Prot
Human	201633	O495A1

C-His&Avi

Synonyms
VSIG9; VSTM3; WUCAM; TIGIT

Source HEK293 cells	Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
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16.1 kDa 20-25 kDa

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

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

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.

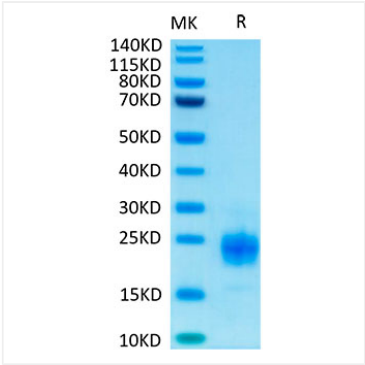
TIGIT, also called Vstm3, Vsig9, and WUCAM, is a transmembrane protein in the CD28 family of the Ig superfamily proteins. TIGIT is expressed at low levels on peripheral memory and regulatory CD4 T-cells and NK cells and is up-regulated following activation of these cells.

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.

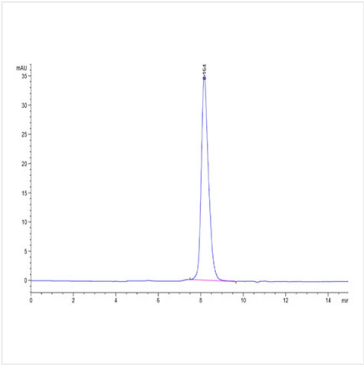
Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

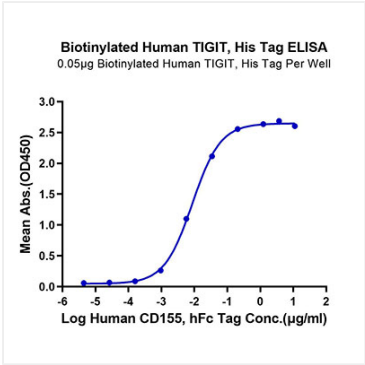
Validation Data



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.



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.