Recombinant Human TIGIT Protein

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Catalog No.: RP00080 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 201633 0495A1

Tags C-His

Synonyms

VSIG9; VSTM3; WUCAM; TIGIT

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

13.90 kDa 15-20 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is a member of the PVR (poliovirus receptor) family of immunoglobin proteins. The protein is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.

Basic Information

Description

Recombinant Human TIGIT Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met22-Pro141) of human TIGIT (Accession #NP 776160.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT at 1.5 μg/mL (100 μL/well) can bind Human CD155 with a linear range of 0.15-1.2 μg/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

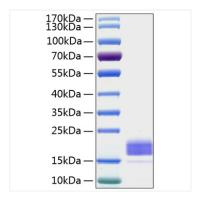
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

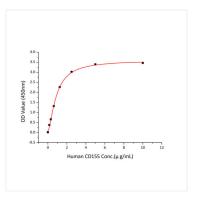
Operational Notes

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

Validation Data



Recombinant Human TIGIT Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human TIGIT at 1.5 μ g/mL (100 μ L/well) can bind Human CD155 with a linear range of 0.15-1.2 μ g/mL.