

Recombinant Human TIGIT/VSIG9/VSTM3 Protein

Catalog No.: RP00783 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	201633	Q495A1

Tags

C-Fc

Synonyms

VSIG9; VSTM3; WUCAM; TIGIT

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

T cell immunoreceptor with Ig and ITIM domains (TIGIT) is a member of the CD28 family within the Ig superfamily of proteins. TIGIT is expressed on NK cells and subsets of activated, memory and regulatory T cells, and particularly on follicular helper T cells within secondary lymphoid organs. It binds to CD155 and Nectin-2 that appear on dendritic cells (DC) and endothelium. Ligation of TIGIT on T cells down-regulates TCR-mediated activation and subsequent proliferation, while NK cell TIGIT ligation blocks NK cell cytotoxicity. Through CD155 and Nectin-2, which also interact with DNAM-1/CD226 and CD96/Tactile, TIGIT is part of an interacting network of Ig superfamily members that may augment or oppose each other. In particular, TIGIT binding to CD155 can antagonize the effects of DNAM1.

Basic Information

Description

Recombinant Human TIGIT/VSIG9/VSTM3 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Met22-Pro141) of human TIGIT/VSIG9/VSTM3 (Accession #Q495A1) fused with an Fc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. When Recombinant Human CD155/PVR is coated at 2.5 μg/mL (100 μL/well), the concentration of Recombinant Human TIGIT Fc Chimera that produces 50% optimal binding response is 40-200 ng/mL.

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

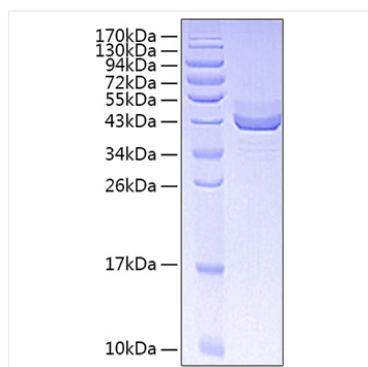
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human TIGIT/VSIG9/VSTM3
Protein was determined by SDS-PAGE
under reducing conditions with Coomassie
Blue.