

RP00813

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Recombinant Cynomolgus TIGIT/VSIG9/VSTM3 Protein

Catalog No.: RP00813

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		G7NXM4

Tags

C-6×His

Synonyms

T-cell immunoreceptor with Ig and ITIM domains; VSIG9; VSTM3; TIGIT; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9

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), also called VSIG9 and Vstm3, is a member of the CD28 family within the Ig superfamily of proteins. TIGIT contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM), and is expressed on regulatory, memory, activated T cells and NK cells. TIGIT binds to CD155 (PVR) that appears on dendritic cells (DC), macrophages and endothelium with high affinity, and CD112 (PVRL2) with lower affinity, but not CD113 (PVRL3). TIGIT-Fc fusion protein could interact with PVR on DC and enhance the secretion of IL-10, but inhibit macrophage activation. Mice lacking TIGIT show increased T cell responses and susceptibility to autoimmune challenges, while knockdown of TIGIT with siRNA in human memory T cells did not affect T cell responses.

Basic Information

Description

Recombinant Cynomolgus TIGIT/VSIG9/VSTM3 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Met89-Pro209) of cynomolgus TIGIT/VSIG9/VSTM3 (Accession #G7NXM4) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

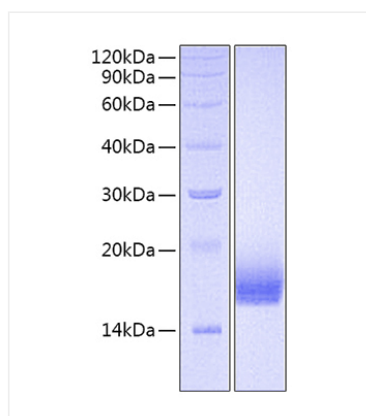
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



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