

RP00776

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Recombinant Cynomolgus TIM-3/HAVCR2 Protein

Catalog No.: RP00776 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		G7P6Q7

Tags
C-Fc

Synonyms

T cell immunoglobulin and mucin domain3; HAVCR2; Tim-3; TIM3

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 immunoglobulin and mucin domain 3 is a member of the TIM family of immune regulating molecules. Mature cynomolgus TIM3 consists of a 182 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 78 aa cytoplasmic tail. TIM3 is up-regulated on several populations of activated myeloid cells (macrophage, monocyte, dendritic cell, microglia, mast cell) and T cells (Th1, CD8+, NK, Treg). Its binding to Galectin9 induces a range of immunosuppressive functions which enhance immune tolerance and inhibit anti-tumor immunity. TIM3 ligation attenuates CD8+ and Th1 cell responses and promotes the activity of Treg and myeloid derived suppressor cells. TIM3 interactions with Galectin-9 can trigger immune stimulatory effects, such as the coactivation of NK cell cytotoxicity.

Basic Information

Description

Recombinant Cynomolgus TIM-3/HAVCR2 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Ser22-Arg201) of cynomolgus TIM-3/HAVCR2 (Accession #G7P6Q7) fused with an Fc tag at the C-terminus.

Bio-Activity

Storage

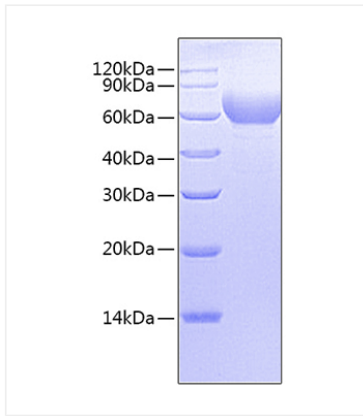
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Cynomolgus TIM-3/HAVCR2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.