

Cynomolgus TIM-3/HAVCR2 Protein

Cat. No. TIM-CM131

Description

Source	Recombinant Cynomolgus TIM-3/HAVCR2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser22-Arg201.
Accession	EHH54703.1
Molecular Weight	The protein has a predicted MW of 20.8 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

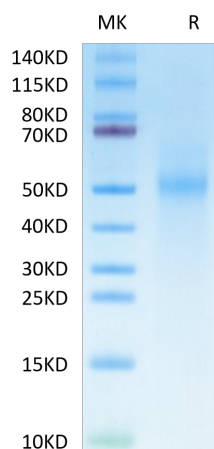
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Hepatitis A virus cellular receptor 2 (HAVCR2), also known as T-cell immunoglobulin and mucin-domain containing-3 (TIM-3), is a protein that in humans is encoded by the HAVCR2 gene. TIM3 is an immune checkpoint and together with other inhibitory receptors including programmed cell death protein 1 (PD-1) and lymphocyte activation gene 3 protein (LAG3) mediate the CD8 T-cell exhaustion. TIM3 has also been shown as a CD4 Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice.

Assay Data

Bis-Tris PAGE

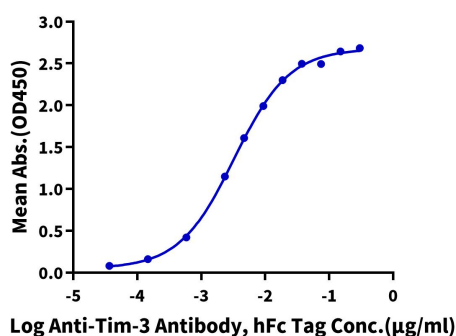


Cynomolgus TIM-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Cynomolgus Tim-3, His Tag ELISA

0.1 μg Cynomolgus Tim-3, His Tag Per Well



Immobilized Cynomolgus TIM-3, His Tag at 1 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-TIM-3 Antibody, hFc Tag with the EC50 of 3.3ng/ml determined by ELISA (QC Test).