

# Cynomolgus Tim-3/HAVCR2 Protein

Cat. No. TIM-CM131

## Description

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

## Formulation and Storage

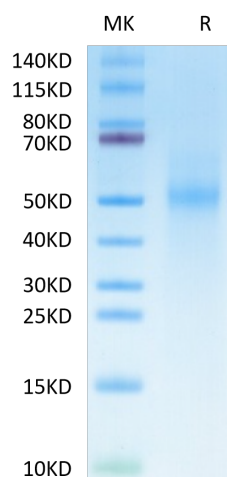
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

### Tris-Bis PAGE



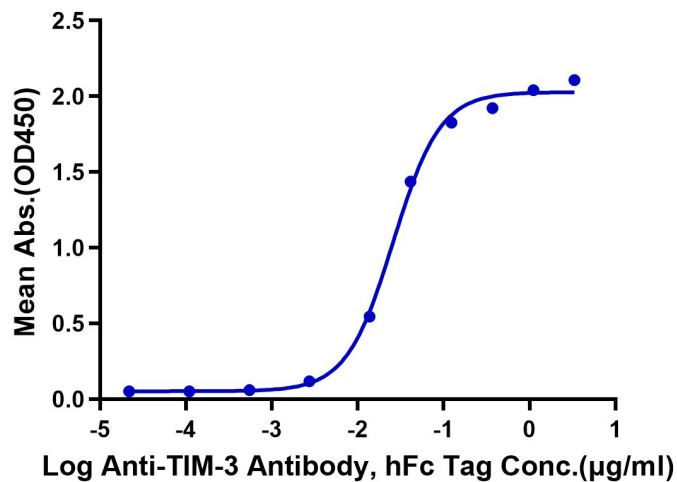
Cynomolgus Tim-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

Assay Data

**Cynomolgus TIM-3, His Tag ELISA**

0.05µg Cynomolgus TIM-3, His Tag Per Well



Immobilized Cynomolgus TIM-3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TIM-3 Antibody, hFc Tag with the EC50 of 25.9ng/ml determined by ELISA.