Human TIM-3/HAVCR2 Protein

Cat. No. TIM-HM631

Description

Source	Recombinant Human TIM-3/HAVCR2 Protein is expressed from HEK293 with Llama Fc tag at the C--terminus.
	It contains Ser22-Arg200.
Accession	Q8TDQ0-1
Molecular Weight	The protein has a predicted MW of 47.18 kDa. Due to glycosylation, the protein migrates to 70-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

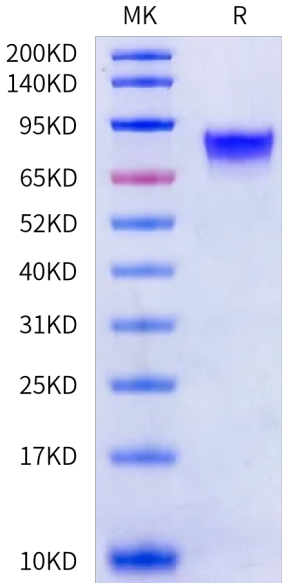
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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



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

ELISA Data

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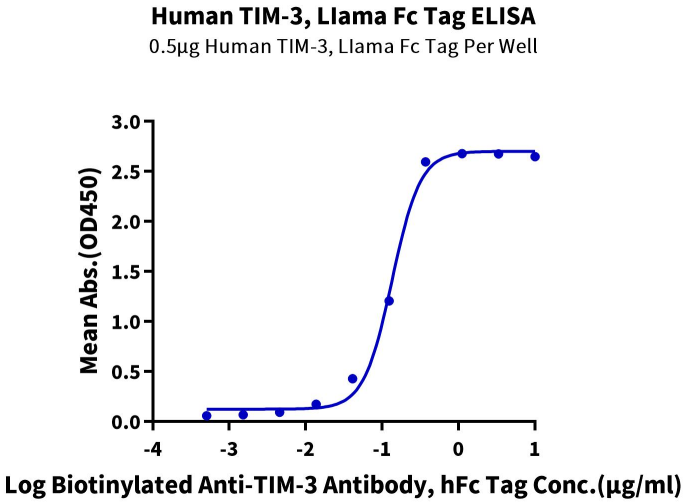
Assay Data



Immobilized Human TIM-3, Llama Fc Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-TIM-3 Antibody, hFc Tag with the EC50 of 0.14μg/ml determined by ELISA.