

Biotinylated Human Tim-3/HAVCR2 Protein



Cat. No. TIM-HM431B

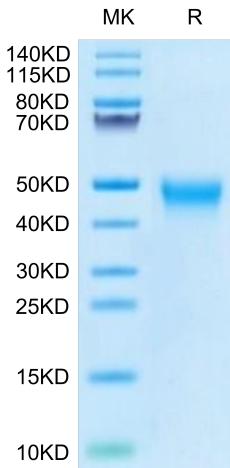
Description	
Source	Recombinant Biotinylated Human Tim-3/HAVCR2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ser22-Arg200.
Accession	Q8TDQ0-1
Molecular Weight	The protein has a predicted MW of 22.8 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm 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 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

Tris-Bis PAGE



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

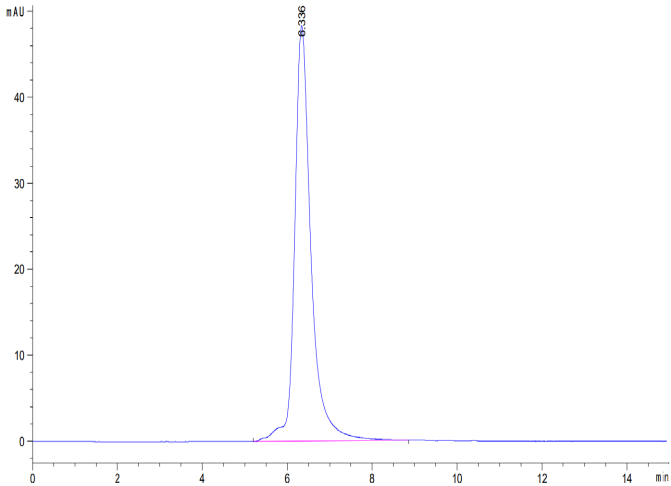
SEC-HPLC

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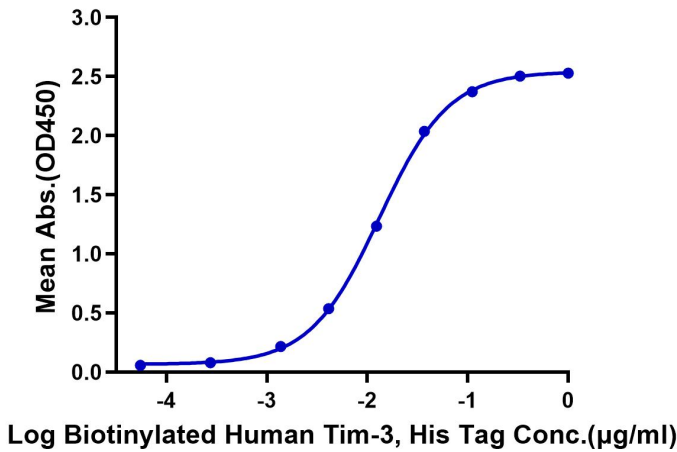
Assay Data



The purity of Biotinylated Human Tim-3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Biotinylated Human Tim-3, His Tag ELISA**  
0.1µg Anti-Tim-3 Antibody, hFc Tag Per Well



Immobilized Anti-Tim-3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Tim-3, His Tag with the EC50 of 13.2ng/ml determined by ELISA.