Human TIM-3/HAVCR2 Protein

Cat. No. TIM-HM131

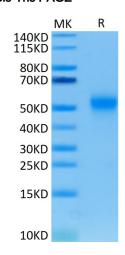
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Description	
Source	Recombinant Human TIM-3/HAVCR2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ser22-Arg200.
Accession	Q8TDQ0-1
Molecular Weight	The protein has a predicted MW of 20.7 kDa, Due to glycosylation, the protein migrates to 50-60 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
	> 95% as determined by HPLC
Formulation and S	Storage
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before Iyophilization.
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 receipt80°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



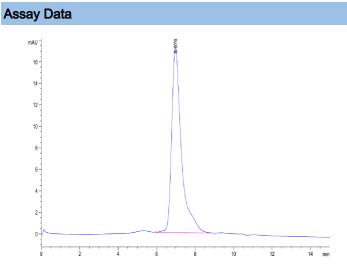
Human TIM-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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

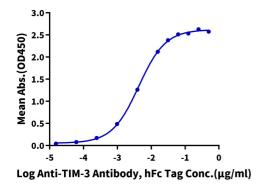
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Assay Data

ELISA Data

Human TIM-3, His Tag ELISA 0.05µg Human TIM-3, His Tag Per Well



Immobilized Human TIM-3, His Tag at 0.5μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-TIM-3 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.

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