

Datasheet for ABIN7275739

TIM3 Protein (AA 22-200) (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Protein Characteristics:	AA 22-200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIM3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human Tim-3/HAVCR2 Protein
Sequence:	Ser22-Arg200
Characteristics:	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.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 7.6ng/ml determined by ELISA. See testing image for detail.

Target Details

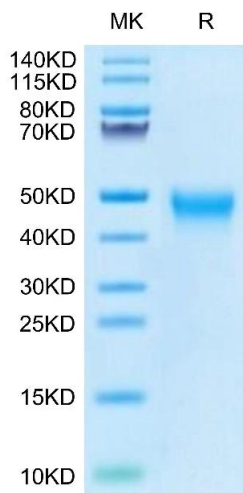
Target:	TIM3 (TIM 3)
Alternative Name:	Tim-3 (TIM 3 Products)
Background:	Hepatitis A virus cellular receptor 2 (HAVCR2), also known as T-cell immunoglobulin and mucin-domain containing-3 (TIM-3), is a protein that in humans is encoded by the HAVCR2 gene. TIM3 is an immune checkpoint and together with 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.
Molecular Weight:	22.8 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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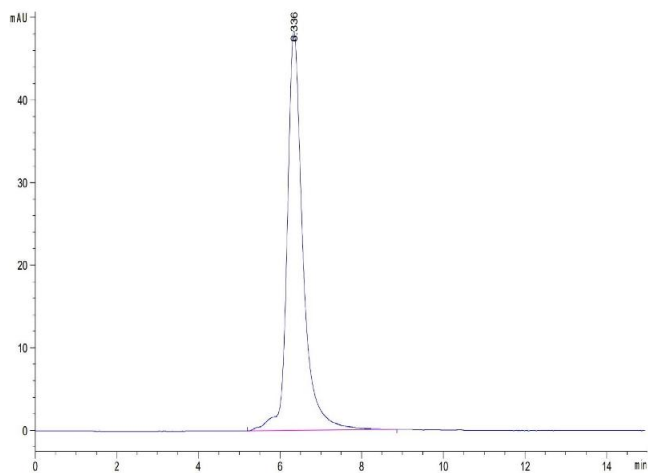
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

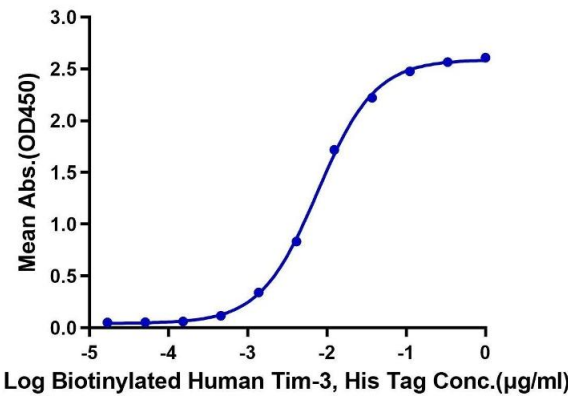
Image 1. Biotinylated Human Tim-3/HAVCR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human Tim-3/HAVCR2 is greater than 95 % as determined by SEC-HPLC.

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



ELISA

Image 3. Immobilized Anti-Tim-3 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human Tim-3, His Tag with the EC50 of 7.6 ng/mL determined by ELISA.