

Datasheet for ABIN7320033

TIM3 Protein (AA 1-191) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Protein Characteristics:	AA 1-191
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIM3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TIM-3/HAVCR2 Protein (aa 1-191, His Tag)
Sequence:	Met1-Arg191
Characteristics:	A DNA sequence encoding the mouse HAVCR2 (AAL65156.1) (Met1-Arg191) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	TIM-3/HAVCR2 (TIM 3 Products)
Target Type:	Virus

Target Details

Background:	<p>Background: Hepatitis A virus cellular receptor 2 (HAVCR2), formerly known as T cell immunoglobulin and mucin domain-3 (TIM-3), is a transmembrane glycoprotein expressed on the surface of terminally differentiated Th1 cells but not on Th2 cells. It was the first surface molecule that specifically identifies Th1 cells in both mice and human. Recently, identification of Galectin-9 as a ligand for TIM-3 has established the TIM-3-Galectin-9 pathway as an important regulator of Th1 immunity and tolerance induction. Engagement of Tim-3 by its ligand galectin-9 negatively regulates IFN-gamma secretion and influences the ability to induce T cell tolerance in both mice and man. It suggests a novel paradigm in which dysregulation of the TIM-3-galectin-9 pathway could underlie chronic autoimmune disease states, such as multiple sclerosis. Recent work has explored the role of TIM-3 in systemic lupus erythematosus (SLE), and their results indicate that TIM-3 may represent a novel target for the treatment of SLE. Numerous studies have demonstrated that Tim-3 influences autoimmune diseases, including diabetes and multiple sclerosis, and its role in other inflammatory diseases including allergies and cancer is beginning to become clear. In tumor rejection model, soluble form of Tim-3 (sTim-3) significantly impaired T cell antitumor immunity, evidenced by decreased antitumor CTL activity and reduced amount of tumor-infiltrating lymphocytes in tumor. sTim-3 as an immunoregulatory molecule that may be involved in the negative regulation of T cell-mediated immune response.</p> <p>Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: IP Antibodies Immune Checkpoint Detection: WB AntibodiesImmune Checkpoint ProteinsImmune Checkpoint Targets Co-inhibitory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: Hepatitis A virus cellular receptor 2 homolog;HAVcr-2;T-cell immunoglobulin and mucin domain-containing protein 3;T-cell immunoglobulin mucin receptor 3;T-cell membrane protein 3;Tim3; Timd3</p>
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Molecular Weight:	20.3 kDa
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Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints
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Application Details

Restrictions:	For Research Use only
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Handling

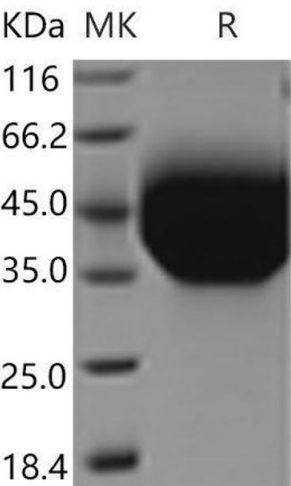
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Handling

Buffer:	Lyophilized from sterile PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.