Datasheet for ABIN7320991

TIM3 Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	TIM3 (TIM 3)
Origin:	Marmoset
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIM3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Marmoset TIM-3/HAVCR2 Protein (His Tag)
Sequence:	Glu21-Ile190
Characteristics:	Recombinant Marmoset TIM-3 is produced by our Mammalian expression system and the target gene encoding Glu21-Ile190 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	TIM-3/HAVCR2 (TIM 3 Products)
Target Type:	Virus
Background:	Background: T cell immunoglobulin and mucin domain-3 (TIM3), also called hepatitis A virus

Target Details

	cellular receptor 2 (HAVCR2), is a transmembrane glycoprotein of the TIM family of immune regulating molecules and plays an important role in the Th1-mediated immune response. TIM3 is expressed on the Th1 cells, CD8 T-cells, monocytes, and dendritic cells, but not on Th2 cells. TIM3 expressed by monocytes and dendritic cells facilitates phagocytosis of apoptotic cells and up-regulates cross-presentation of apoptotic cell-associated antigens through interaction with phosphatidylserine. Engagement of TIM3 by its ligand galectin-9 induces a range of immunosuppressive functions which enhance immune tolerance and inhibit anti-tumor immunity. Stimulation of TIM3 with an agonistic antibody promotes inflammation through the activation of innate immune cells. TIM3 is also regarded as a potential target molecule for immunotherapy. TIM3 and programmed cell death 1 (PD-1) as two important coinhibitory regulators of T cell responses, have been implicated with the T-cell dysfunction or exhaustion associated with chronic HBV infection including HBV-related HCC. 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
Molecular Weight:	19.7 kDa
UniProt:	F7I881
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Cancer Immune Checkpoints

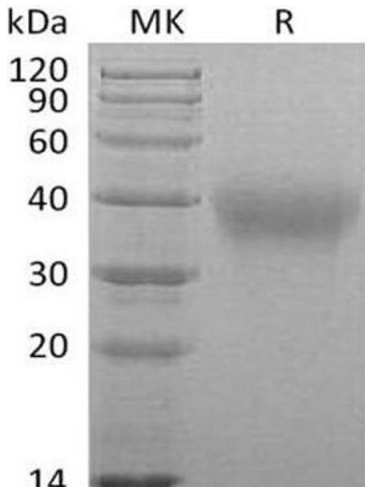
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 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.