

Datasheet for ABIN2181819
TIM3 Protein (AA 22-200) (Fc Tag)



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2 Images

Overview

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

Product Details

Sequence:	AA 22-200
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 46.5 kDa. As a result of glycosylation, the protein migrates as 55-67 kDa under reducing (R) condition, and 110-134 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	TIM-3 (TIM 3 Products)

Target Details

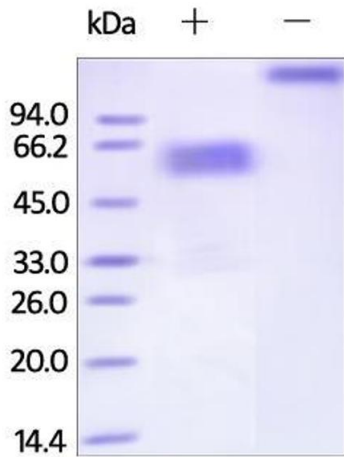
Target Type:	Virus
Background:	<p>Hepatitis A virus cellular receptor 2 is also known as HAVCR2, FLJ14428, KIM3, TIM3, TIMD3, is a member of the TIM family of immune regulating molecules with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells and their associated cytokines are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. The 2 types of cells also cross-regulate the functions of the other. HAVCR2 is a Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice. HAVCR2 regulates macrophage activation. Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. May be also involved in T-cell homing. Dysregulation of the HAVCR2-galectin-9 pathway could underlie chronic autoimmune disease states in human, such as multiple sclerosis.</p>
Molecular Weight:	46.5 kDa
NCBI Accession:	NP_116171
UniProt:	Q8TDQ0
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Cancer Immune Checkpoints

Application Details

Restrictions: For Research Use only

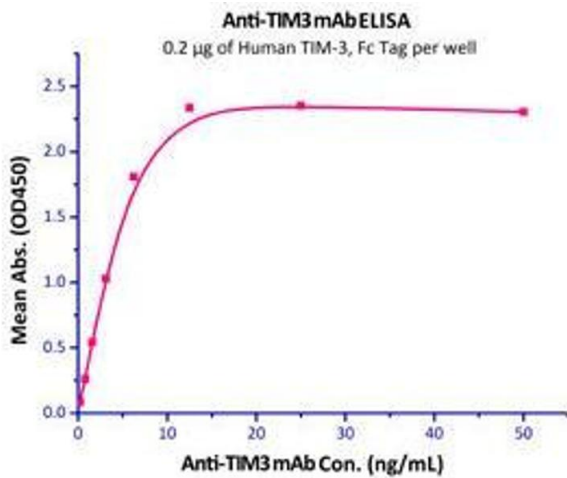
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.



SDS-PAGE

Image 1. Human TIM-3 (22-200), Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.



Binding Studies

Image 2. Immobilized Human TIM-3 (22-200), Fc Tag (Cat# TM3-H5258) at 2 µg/mL (100 µl/well), can bind anti-TIM3 mAb with a linear range of 0.2-3 ng/mL.