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Datasheet for ABIN2181817

## TIM3 Protein (AA 22-200) (His tag)

### 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 His tag.

#### Product Details

Sequence:	AA 22-200
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 21.8 kDa. The protein migrates as 44-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

#### Target Details

Target:	TIM3 (TIM 3)
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## Target Details

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Alternative Name: [TIM-3 \(TIM 3 Products\)](#)

Target Type: Virus

Background: 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.

Molecular Weight: 21.8 kDa

NCBI Accession: [NP\\_116171](#)

UniProt: [Q8TDQ0](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha, Cancer Immune Checkpoints](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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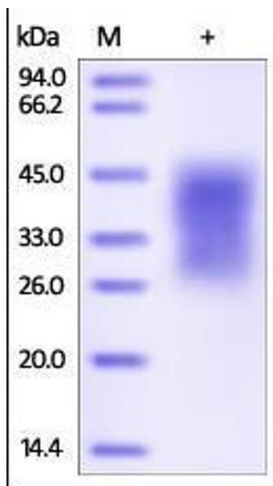
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

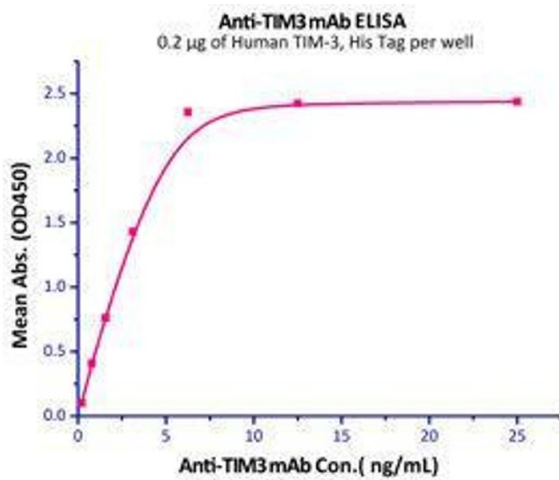
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



### SDS-PAGE

**Image 1.** Human TIM-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



### Binding Studies

**Image 2.** Immobilized Human TIM-3, His Tag can bind anti-TIM3 mAb with a linear range of 0.2-3 ng/mL.