

RP00695

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## Recombinant Mouse TIM-3/HAVCR2 Protein

Catalog No.: RP00695

Recombinant

### Sequence Information

Species	Gene ID	Swiss Prot
Mouse	171285	Q8VIM0

#### Tags

C-Fc

#### Synonyms

Tim; TIM-; Tim3; Timd; TIM-3;  
Timd3;HAVCR2

### Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

#### Endotoxin

< 1 EU/μg of the protein by LAL method.

#### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

#### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

### Background

T cell immunoglobulin and mucin domain-3 (TIM3), also called hepatitis A virus 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.

### Basic Information

#### Description

Recombinant Mouse TIM-3/HAVCR2 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Arg20-Arg191) of mouse TIM-3/HAVCR2 (Accession #Q8VIM0) fused with an Fc tag at the C-terminus.

#### Bio-Activity

#### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

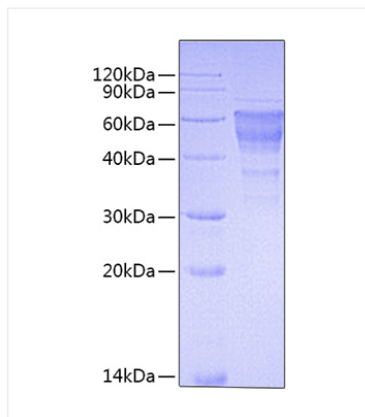
### Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Mouse TIM-3/HAVCR2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.