

## Active Recombinant Human HAVCR1, MIgG2a Fc-tagged

**Cat. No.** HAVCR1-2311H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human Tim-1 (NP_036338.2) (Ser21-Gln295) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	<p>The TIM (T cell/transmembrane, immunoglobulin and mucin) family plays a critical role in regulating immune responses, including allergy, asthma, transplant tolerance, autoimmunity and the response to viral infections. The unique structure of TIM immunoglobulin variable region domains allows highly specific recognition of phosphatidylserine (PtdSer), exposed on the surface of apoptotic cells. TIM-1 (T cell-immunoglobulinmucin; also KIM-1 and HAVcr-1) is a 100 kDa, type I transmembrane glycoprotein member of the TIM family of immunoglobulin superfamily molecules. There are two cytoplasmic alternate splice forms of TIM1. One is a long (359 aa) kidney form termed TIM-1b, and one is a short (334 aa) liver form termed TIM-1a. TIM-1, important for asthma and allergy, is preferentially expressed on T-helper 2 (Th2) cells and functions as a potent costimulatory molecule for T cell activation.</p>
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.
<b>Molecular Mass</b>	57 KDa (monomer)

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<b>AA Sequence</b>	Ser21-Gln295
<b>Endotoxin</b>	<0.06 EU/μg as determined by LAL test.
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	HAVCR1 hepatitis A virus cellular receptor 1 [ Homo sapiens ]
<b>Official Symbol</b>	HAVCR1
<b>Synonyms</b>	HAVCR1; hepatitis A virus cellular receptor 1; HAVCR; HAVCR 1; TIM 1; TIM1; TIMD1; kidney injury molecule 1; T-cell membrane protein 1; T cell immunoglobulin domain and mucin domain protein 1; TIM; KIM1; KIM-1; TIM-1; TIMD-1; HAVCR-1;
<b>Gene ID</b>	<a href="#">26762</a>
<b>mRNA Refseq</b>	<a href="#">NM_001099414</a>
<b>Protein Refseq</b>	<a href="#">NP_001092884</a>
<b>MIM</b>	<a href="#">606518</a>

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<b>UniProt ID</b>	Q96D42
<b>Chromosome Location</b>	5q33.2
<b>Function</b>	receptor activity;

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