Active Recombinant Human HAVCR1, MIgG2a Fc-tagged

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

SPECIFICATION

Product Overview	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
Species	Human
Source	CHO
Description	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.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.
Molecular Mass	57 KDa (monomer)

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AA Sequence	Ser21-Gln295
Endotoxin	<0.06 EU/μg as determined by LAL test.
Purity	>98%, by SDS-PAGE under reducing conditions
Stability	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.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	HAVCR1 hepatitis A virus cellular receptor 1 [Homo sapiens]
Official Symbol	HAVCR1
Synonyms	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 immunoglobin domain and mucin domain protein 1; TIM; KIM1; KIM-1; TIM-1; TIMD-1; HAVCR-1;
Gene ID	26762
mRNA Refseq	NM_001099414
Protein Refseq	NP_001092884
MIM	606518

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UniProt ID	Q96D42
Chromosome Location	5q33.2
Function	receptor activity;

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