TIM3 / HAVCR2 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	TIM3 / HAVCR2, Blocking Peptide
Full Product Name	TIM3 / HAVCR2 Immunizing Peptide
Product Gene Name	HAVCR2 blocking peptide
Product Synonym Gene Name	TIM3
Product Synonym Names	HAVCR2; TIM3; hepatitis A virus cellular receptor 2; FLJ14428; KIM-3; TIMD3; Tim-3; T cell immunoglobulin mucin 3; T cell immunoglobulin mucin-3; kidney injury molecule-3; TIM3 / HAVCR2
Sequence	C-KWYSHSKE KIQN
Species Reactivity	Human, Dog
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	TIM3 / HAVCR2 peptide (MBS425612) is used for blocking the activity of TIM3/HAVCR2 antibody (MBS421344)
Molecular Weight	16,149 Da
OMIM	606652
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for HAVCR2 blocking peptide	MBS425612 is a blocking peptide targeting HAVCR2. Also known as TIM3 / HAVCR2 Immunizing Peptide. Reactive in Human, Dog.
Other Notes	Small volumes of HAVCR2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAVCR2. It may not necessarily be applicable to this product.

NCBI GI #	49574534
NCBI GeneID	84868
NCBI Accession #	NP_116171.3
UniProt Secondary Accession #	Q8WW60; Q96K94; B2RAY2
UniProt Related Accession #	Q8TDQ0
GenBank Nucleotide #	NM_032782.4
NCBI Official Full Name	hepatitis A virus cellular receptor 2
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 2
NCBI Official Symbol	HAVCR2
NCBI Official Synonym Symbols	TIM3; CD366; KIM-3; TIMD3; Tim-3; TIMD-3; HAVcr-2
UniProt Protein Name	Hepatitis A virus cellular receptor 2

UniProt Synonym Protein Names	T-cell immunoglobulin and mucin domain-containing protein 3; TIMD-3; T-cell immunoglobulin mucin receptor 3; TIM-3; T-cell membrane protein 3
Protein Family	Hepatitis A virus cellular receptor
UniProt Gene Name	HAVCR2
UniProt Synonym Gene Names	TIM3; TIMD3; HAVcr-2; TIMD-3; TIM-3
UniProt Entry Name	HAVR2_HUMAN
NCBI Protein Information	hepatitis A virus cellular receptor 2
NCBI Summary for HAVCR2	The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. 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 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. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance. [provided by RefSeq, Sep 2011]
UniProt Comments for HAVCR2	TIM-3: 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. Receptor for LGALS9. Belongs to the immunoglobulin superfamily. TIM family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 5q33.3 Cellular Component: cell junction; cell surface; early endosome; immunological synapse; integral to membrane Molecular Function: metal ion binding Biological Process: adaptive immune response; defense response to Gram-positive bacterium; inflammatory response; inhibition of NF-kappaB transcription factor; innate immune response; macrophage activation during immune response; maternal process involved in pregnancy; natural killer cell tolerance induction; negative regulation of interferon-alpha production; negative regulation of interferon-gamma production; negative regulation of interleukin-2 production; negative regulation of interleukin-3 production; negative regulation of interleukin-6 production; negative regulation of myeloid dendritic cell activation; negative regulation of natural killer cell activation; negative regulation of natural killer cell mediated cytotoxicity directed against tumor cell target; negative regulation of T cell proliferation; negative regulation of T-helper 1 type immune response; negative regulation of tumor necrosis factor production; positive regulation of chemokine production; positive regulation of interferon-gamma production; positive regulation of interleukin-1 production; positive regulation of interleukin-4 production; positive regulation of macrophage activation; positive regulation of T cell proliferation; regulation of tolerance induction dependent upon immune response; toll-like receptor 3 signaling pathway; toll-like receptor 7 signaling pathway; toll-like receptor 9 signaling pathway Disease: Rheumatoid Arthritis
Research Articles on HAVCR2	**1.** Our data indicate that Tim-3 expression on NK cells is regulated by T-bet, and that Tim-3 levels correlate with advanced stages of gastric cancer
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