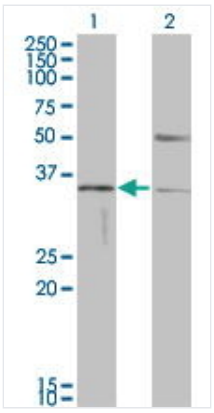
TIM-1 Antibody – Mouse Monoclonal

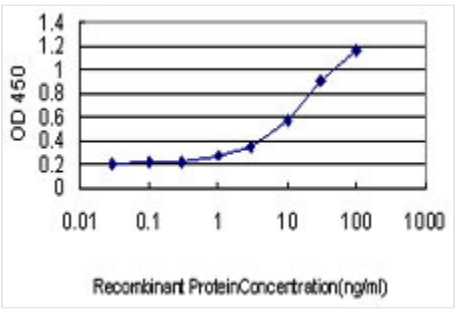
PRODUCT OVERVIEW

Product Name	TIM-1, Monoclonal Antibody
Full Product Name	TIM-1 (T Cell Immunoglobin Domain and Mucin Domain Protein 1, TIM 1, TIM1, TIMD 1, TIMD1, TIMD-1, Hepatitis A Virus Cellular Receptor 1, HAVCR HAVCR1, HAVCR-1, Kidney Injury Molecule 1, KIM1, KIM-1) (PE)
Product Gene Name	anti-TIM-1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HAVCR1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	38,720 Da
OMIM	606518
3D Structure	ModBase 3D Structure for Q96D42
Immunogen	Partial recombinant corresponding to aa23-123 from human HAVCR1 (NP_036338) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQNGIVWTNGTHVTYRKDTRYKLLGDLSRRDVSLTIENTAVSDSGVYCCRVEHRGWFNDMKITV
Conjugate	PE
Product Categories/Family for anti-TIM-1 antibody	Antibodies; Infectious Disease Hepatitis
Applications Tested/Suitable for anti-TIM-1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TIM-1 antibody	ELISA: 1ng/ml Applications are based on unconjugated antibody.
Related Product Information for anti-TIM-1 antibody	MBS6160718 is an antibody targeting TIM-1. Also known as TIM-1 (T Cell Immunoglobin Domain and Mucin Domain Protein 1, TIM 1, TIM1, TIMD 1, TIMD1, TIMD-1, Hepatitis A Virus Cellular Receptor 1, HAVCR 1, HAVCR1, HAVCR-1, Kidney Injury Molecule 1, KIM1, KIM-1) (PE). Reactive in Huma Host: Mouse.

Other Notes	Small volumes of anti-TIM-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa 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.



Western Blot (WB) of anti-TIM-1 antibody
Western Blot analysis of HAVCR1 expression in transfected 293T cell line by HAVCR1 monoclonal antibody. Lane 1: HAVCR1 transfected lysate (38.72kD). Lane 2: Non-transfected lysate.



Testing Data of anti-TIM-1 antibody
Detection limit for recombinant GST tagged HAVCR1 is ~1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIM-1. It may not necessarily be applicable to this product.

NCBI GI #	153085427
NCBI GeneID	26762
NCBI Accession #	NP_036338
UniProt Primary Accession #	Q96D42
UniProt Secondary Accession #	O43656
UniProt Related Accession #	Q96D42
GenBank Nucleotide #	NM_012206
NCBI Official Full Name	hepatitis A virus cellular receptor 1
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	HAVCR1
NCBI Official Synonym Symbols	TIM; KIM1; TIM1; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1
UniProt Protein Name	Hepatitis A virus cellular receptor 1
UniProt Synonym Protein Names	Kidney injury molecule 1; KIM-1; T-cell immunoglobulin and mucin domain-containing protein 1; TIMD-1; T-cell immunoglobulin mucin receptor 1; TIM; TIM-1; T-cell membrane protein 1
Protein Family	Protein timeless
UniProt Gene Name	HAVCR1
UniProt Synonym Gene Names	KIM1; TIM1; TIMD1; HAVcr-1; KIM-1; TIMD-1; TIM; TIM-1
UniProt Entry Name	HAVR1_HUMAN
NCBI Protein Information	hepatitis A virus cellular receptor 1; kidney injury molecule 1; T-cell membrane protein 1; T-cell immunoglobulin mucin receptor 1; T-cell immunoglobulin mucin family member 1; T cell immunoglobin domain and mucin domain protein 1

NCBI Summary for TIM-1	The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]
UniProt Comments for TIM-1	TIM-1: May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4. In case of human hepatitis A virus (HHAV) infection, functions as a cell-surface receptor for the virus. May play a role in kidney injury and repair. Belongs to the immunoglobulin superfamily. TIM family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 5q33.2 Cellular Component: integral to membrane Molecular Function: viral receptor activity Biological Process: entry of virus into host cell Disease: Ige Responsiveness, Atopic
Research Articles on TIM-1	**1.** blood biomarker that specifically reflects acute and chronic kidney injury
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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