

Rat TIM-1 Monoclonal Antibody | anti-TIM-1 antibody

RAT ANTI MOUSE TIM-1:RPE

CATALOG # AAA50172	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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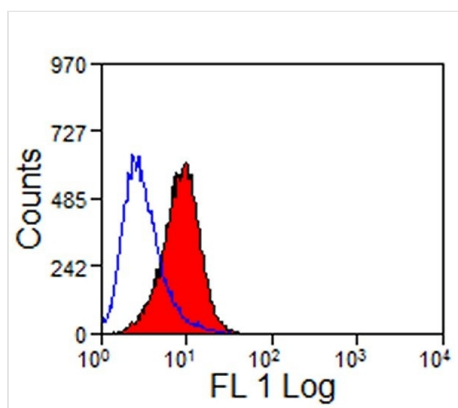
PRODUCT SYNONYMS

TIM-1; Monoclonal Antibody; RAT ANTI MOUSE TIM-1:RPE; anti-TIM-1 antibody

PRODUCT SPECIFICATIONS

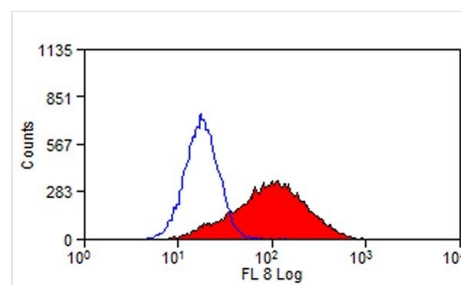
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	RMT1-10
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised.
Sequence Length	282
Applicable Applications for anti-TIM-1 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently mixed after reconstitution. Perservative Stabilisers
Immunogen	Full-length mouse Tim-1-Ig, containing both the IgV and mucin domains of Tim-1. Fusion Partners
Target Species	Mouse
Preparation and Storage	Prior to reconstitution store at 4 degree C. After reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



Application Data

TIM-1 transfected NRK cells stained with Rat anti Mouse TIM-1:FITC



Application Data

TIM-1 transfected NRK cells stained with Rat anti Mouse TIM-1

ADDITIONAL INFORMATION

Related Product Information for anti-TIM-1 antibody	Rat anti Mouse TIM-1 antibody, clone MBS239187-10 recognizes mouse Tim-1 (T-cell immunoglobulin mucin 1), a cell surface glycoprotein and member of the immunoglobulin superfamily, which was first identified as the hepatitis A virus cellular receptor (HAVCR), and is highly expressed in the liver (isoform Tim-1a) and the kidneys (isoform Tim-1b). Tim-1 is highly expressed by activated CD4+ T cells, and acts as a positive/negative co-stimulatory molecule of T cell proliferation, cytokine production and tolerance abrogation, and is the receptor for Tim-4, expressed on APCs. Tim-1 expression is greater on Th2 than Th1 cells, and studies have shown that interaction between Tim-1 on Th2 cells and Tim-4 on dendritic cells (DCs), enhances Th2 cell function, and have implicated Tim-1 as a critical player in the development of atopic disease, and in particular airway hypersensitivity. Polymorphic forms of Tim-1 are associated with increased susceptibility to asthma, eczema and Rheumatoid arthritis. Rat anti Mouse TIM-1 antibody, clone MBS239187-10 has been shown to promote Th2 responses, and inhibit antigen-specific T cell proliferation, in contrast to the agonistic function of many Tim-1 antibodies (Xiao et al. 2007). Rat anti Mouse TIM-1 antibody, clone MBS239187-10 has been shown to reduce the severity of EAE (experimental autoimmune encephalomyelitis) and delay disease onset, in mice studies (Xiao et al. 2007).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262231823
NCBI GeneID	171283
NCBI Accession #	NP_001160103.1
NCBI GenBank Nucleotide #	NM_001166631.1
UniProt Accession #	Q5QNS5; Q7TPU2; Q8VIM1; Q8VIM2
Molecular Weight	30,925 Da
NCBI Official Full Name	hepatitis A virus cellular receptor 1 homolog isoform b
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	Havcr1
NCBI Official Synonym Symbols	Tim1; KIM-1; TIM-1; Timd1; AI503787
NCBI Protein Information	hepatitis A virus cellular receptor 1 homolog; HAVcr-1; T-cell immunoglobulin and mucin domain containing 1; T-cell immunoglobulin mucin receptor 1; TIMD-1; kidney injury molecule 1; t cell immunoglobulin and mucin domain-containing protein 1; t cell membrane protein 1
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog
UniProt Gene Name	Havcr1
UniProt Synonym Gene Names	Kim1; Tim1; Timd1; HAVcr-1; KIM-1; TIMD-1; TIM-1
UniProt Entry Name	HAVR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tim-1-antibody-clone-rmt1-10-flow-cytometry-elisa/50172>