

Rat TIM-2 Monoclonal Antibody | anti-TIM-2 antibody

RAT ANTI MOUSE TIM-2:FITC

CATALOG # AAA50215	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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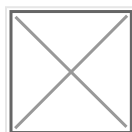
PRODUCT SYNONYMS

TIM-2; Monoclonal Antibody; RAT ANTI MOUSE TIM-2:FITC; anti-TIM-2 antibody

PRODUCT SPECIFICATIONS

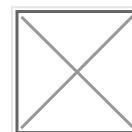
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	RMT2-25
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	305
Applicable Applications for anti-TIM-2 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Immunogen	Tim-2-Ig, consisting of amino acids 1-230 of mouse Tim-2, coupled with the Fc portion of mouse IgG2a. Fusion Partners
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

TIM-2 transfected NRK cells stained with Rat anti Mouse TIM-2:FITC (AAA50215)



Application Data

TIM-2 transfected NRK cells stained with Rat anti Mouse TIM-2

ADDITIONAL INFORMATION

Related Product Information for anti-TIM-2 antibody	Rat anti Mouse TIM-2 antibody, clone RMT2-25 recognizes mouse Tim-2 (T-cell immunoglobulin mucin 2), a transmembrane glycoprotein and member of the immunoglobulin superfamily, expressed by activated lymphocytes, developmentally in the 8-cell embryo and blastocyst, and preferentially up-regulated in Th2 cells and down-regulated in Th1 cells. Tim-2 acts as a negative regulator of Th2 cells, and is implicated to play a critical role in the development of atopic disease and other Th2-biased immune responses. Tim-2 also acts as a receptor for Semaphorin 4A, a transmembrane protein expressed on dendritic cells and B cells, which plays a role in the guidance of axonal migration during neuronal development, and has been shown to enhance T cell activation. Studies using Rat anti Mouse TIM-2 antibody, clone RMT2-25 in mouse, have shown that signaling by Tim-2 can influence the proliferation and antibody production of B cells, during early phase collagen-induced arthritis (Kawamoto et al. 2011). Rat anti Mouse TIM-2 antibody, clone RMT2-25 has been shown to significantly enhance the proliferation of stimulated splenic B cells in vitro (Kawamoto et al. 2011).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	238624136
NCBI GeneID	171284
NCBI Accession #	NP_001154827.1
NCBI GenBank Nucleotide #	NM_001161355.1
UniProt Accession #	Q8R183; Q8VBW0
Molecular Weight	33,504 Da
NCBI Official Full Name	T-cell immunoglobulin and mucin domain-containing protein 2
NCBI Official Synonym Full Names	T cell immunoglobulin and mucin domain containing 2
NCBI Official Symbol	Timd2
NCBI Official Synonym Symbols	G9D3; Tim2; TIM-2; C78111; AA816106; AU019358; AU019662
NCBI Protein Information	T-cell immunoglobulin and mucin domain-containing protein 2; T-cell immunoglobulin and mucin domain containing 2; T-cell immunoglobulin mucin receptor 2; T-cell membrane protein 2; TIMD-2
UniProt Protein Name	T-cell immunoglobulin and mucin domain-containing protein 2
UniProt Gene Name	Timd2
UniProt Synonym Gene Names	Tim2; TIMD-2; TIM-2
UniProt Entry Name	TIMD2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tim-2-antibody-clone-rmt2-25-flow-cytometry-elisa/50215>