

Rat Anti-Havcr1 Monoclonal Antibody

Cat. No. DMAB36383 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-Havcr1 Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	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.
specificity	It specifically recognises 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).
Target	Havcr1
Immunogen	Full-length mouse Tim-1-Ig, containing both the IgV and mucin domains of Tim-1.
Isotype	IgG2a

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species	Mouse
Clone	RMT1-10
Purification	Purified IgG
Conjugation	N/A
Applications	ELISA,Flow Cyt,FunS,IFA
Dilution	Flow Cytometry:1/25 - 1/200
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Protein Concentration	1.0 mg/ml
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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.
Size	0.5 mg

GENE INFORMATION

Gene Name	Havcr1 hepatitis A virus cellular receptor 1 [Mus musculus]
Official Symbol	Havcr1

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Synonyms	HAVCR1; hepatitis A virus cellular receptor 1; hepatitis A virus cellular receptor 1 homolog; TIMD-1; HAVcr-1; kidney injury molecule 1; t cell membrane protein 1; T-cell immunoglobulin and mucin domain containing 1; t cell immunoglobulin and mucin domain-containing protein 1; Tim1; KIM-1; TIM-1; Timd1; AI503787;
Gene ID	171283
mRNA Refseq	NM_001166631
Protein Refseq	NP_001160103
Function	receptor activity;