

Rat Anti-Havcr1 Monoclonal Antibody

Cat. No. DMAB36385 **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	SNU2-20
Purification	Purified IgG
Conjugation	RPE
Applications	Flow Cyt
Dilution	Flow Cytometry: Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
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.
Storage	Prior to reconstitution store at +4°C. After reconstitution store at +4°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.
Preservative	0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin, 5% Sucrose
Shelf life	12 months from date of reconstitution.
Size	100 TESTS

GENE INFORMATION

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