Rat Anti-Timd2 Monoclonal Antibody

Cat. No. DMAB36387 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-Timd2 Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	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.
specificity	It specifically recognises 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.
Target	Timd2
Immunogen	Tim-2-Ig, consisting of amino acids 1-230 of mouse Tim-2, coupled with the Fc portion of mouse IgG2a.
Isotype	IgG2a

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species	Mouse
Clone	SNU3-36
Purification	Purified IgG
Conjugation	N/A
Applications	Flow Cyt,IP,WB
Dilution	Flow Cytometry:1/25 - 1/200
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Protein Concentration	1 mg/ml
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.09% Sodium Azide (NaN3)
Shelf life	18 months from date of despatch.
Size	0.1 mg

GENE INFORMATION

Gene Name	Timd2 T cell immunoglobulin and mucin domain containing 2 [Mus musculus]

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Official Symbol	Timd2
Synonyms	TIMD2; T cell immunoglobulin and mucin domain containing 2; T-cell immunoglobulin and mucin domain-containing protein 2; TIMD-2; T-cell membrane protein 2; T-cell immunoglobulin and mucin domain containing 2; G9D3; Tim2; TIM-2; C78111; AA816106; AU019358; AU019662;
Gene ID	171284
mRNA Refseq	NM_001161355
Protein Refseq	NP_001154827
Function	receptor activity;

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