

Datasheet for ABIN6990640
anti-TIMD4 antibody (AA 60-110)



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Overview

Quantity:	0.1 mg
Target:	TIMD4
Binding Specificity:	AA 60-110
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMD4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TIM-4 antibody was raised against a 16 amino acid synthetic peptide from near the center of human TIM-4. The immunogen is located within amino acids 60 - 110 of TIM-4.
Isotype:	IgG
Specificity:	At least four isoforms of TIM-4 are known to exist, this antibody will detect all four isoforms.
Purification:	TIM-4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TIMD4
Alternative Name:	TIM-4 (TIMD4 Products)

Target Details

Background:	TIM-4 Antibody: The T cell immunoglobulin and mucin domain containing protein (TIM) family encodes cell surface receptors that are involved in the regulation of T helper (Th) -1 and -2 cell-mediated immunity. TIM-4, which is preferentially expressed on macrophages and dendritic cells, is the natural ligand of TIM-1, and this binding leads to T-cell expansion and cytokine production. Unlike other members of the TIM family, TIM-4 lacks a putative tyrosine phosphorylation signal sequence in its intracellular domain. The TIM-4 gene maps to a locus associated with predisposition to asthma in both mice and humans and with its connection to TIM-1-triggered Th2 responsiveness, may be considered as a candidate disease/predisposition gene for asthma.
Molecular Weight:	Observed: 45 kDa
Gene ID:	91937
NCBI Accession:	NP_612388
UniProt:	Q96H15
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	TIM-4 antibody can be used for the detection of TIM-4 by Western blot at 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL and Immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human and mouse samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TIM-4 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TIM-4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.