

Rabbit anti-Human, Mouse TIM-4 Polyclonal Antibody | anti-TIMD4 antibody

TIM-4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40317	Rabbit	Human, Mouse	Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

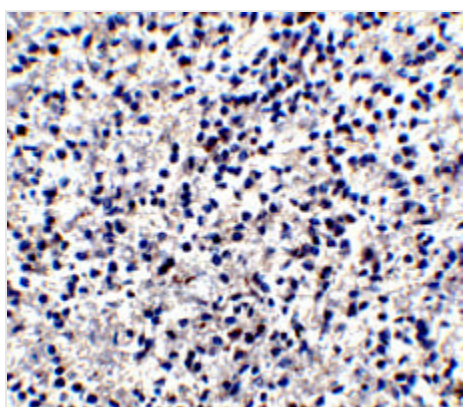
PRODUCT SYNONYMS

TIM-4; Polyclonal Antibody; TIM-4 Antibody; TIM4; SMUCKLER; T-cell immunoglobulin and mucin domain-containing protein 4; T-cell immunoglobulin mucin receptor 4; TIMD-4; T-cell immunoglobulin and mucin domain containing 4; anti-TIMD4 antibody

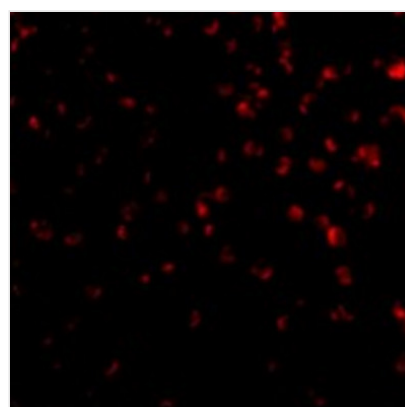
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms of TIM-4 are known to exist; this antibody will detect all four isoforms.
Purity/Purification	TIM-4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid ; TIM-4 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	378
Applicable Applications for anti-TIMD4 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
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.
Preparation and Storage	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.

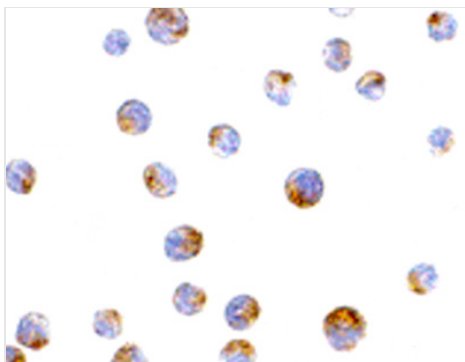
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of TIM-4 in human spleen tissue with TIM-4 antibody at 2.5 µg/mL.

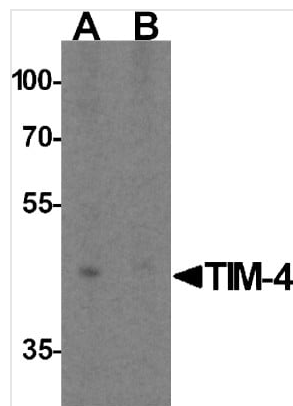

IF (Immunofluorescence)

Immunofluorescence of TIM-4 in Jurkat cells with TIM-4 antibody at 20 µg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of TIM-4 in Jurkat cells with TIM-4 antibody at 10 µg/mL.



WB (Western Blot)

Western blot analysis of TIM-4 in RAW264.7 cell lysate with TIM-4 antibody at 2 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TIMD4 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226529863
NCBI GeneID	91937
NCBI Accession #	NP_612388
NCBI GenBank Nucleotide #	NM_138379.2
UniProt Accession #	Q96H15; B5MCL9
Molecular Weight	Predicted Molecular Weight Observed: 45 kDa
NCBI Official Full Name	T-cell immunoglobulin and mucin domain-containing protein 4 isoform 1
NCBI Official Synonym Full Names	T-cell immunoglobulin and mucin domain containing 4
NCBI Official Symbol	TIMD4
NCBI Official Synonym Symbols	TIM4; SMUCKLER
NCBI Protein Information	T-cell immunoglobulin and mucin domain-containing protein 4; TIM-4; TIMD-4; T-cell membrane protein 4; T-cell immunoglobulin mucin receptor 4
UniProt Protein Name	T-cell immunoglobulin and mucin domain-containing protein 4
UniProt Gene Name	TIMD4
UniProt Synonym Gene Names	TIM4; TIMD-4; TIM-4
UniProt Entry Name	TIMD4_HUMAN

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.