

TIM-4 Antibody

Catalog No: #24419

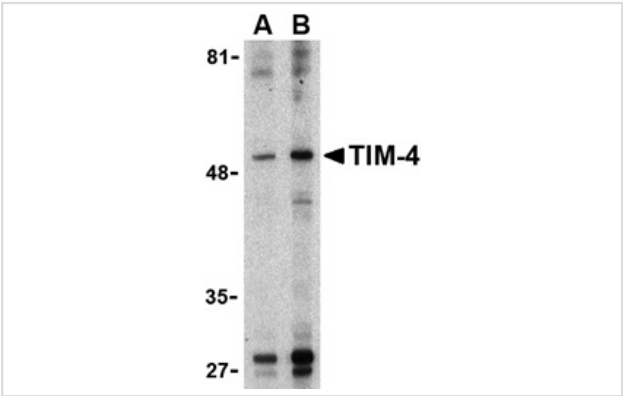


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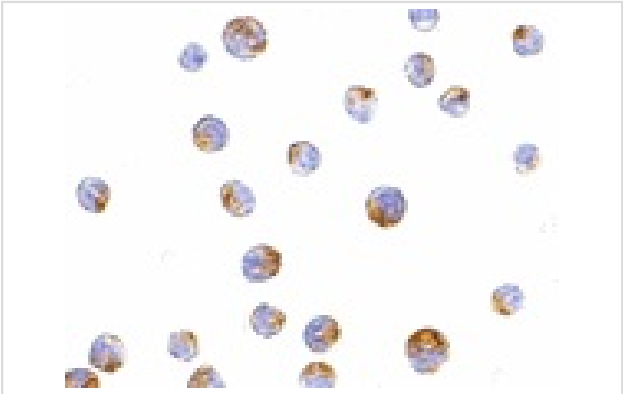
Description

Product Name	TIM-4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human TIM-4.
Target Name	TIM-4
Other Names	T cell immunoglobulin and mucin domain containing protein 4, T cell membrane protein 4, SMUCKLER
Accession No.	Swiss-Prot:Q96H15Gene ID:91937
Uniprot	Q96H15
GeneID	91937;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

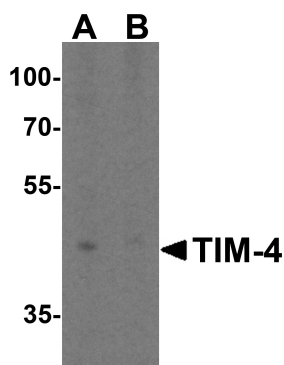
Images



Western blot analysis of TIM-4 in Jurkat lysate with TIM-4 antibody at (A) 1 and (B) 2 ug/mL.



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



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

Background

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.

Note: This product is for in vitro research use only