BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-TIM-4 TIMD4 Antibody

Catalog Number: A06637-1

About TIMD4

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.

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Overview

Product Name	Anti-TIM-4 TIMD4 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TIM-4 TIMD4 Antibody (Catalog # A06637-1). Tested in ELISA, WB, ICC, IF, IHC-P applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	TIM-4 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TIM-4 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96H15

Technical Details

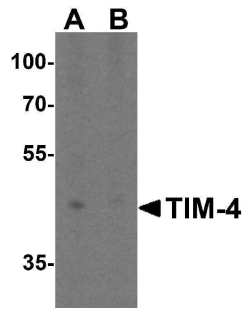
Immunogen	TIM-4 antibody was raised against a 16 amino acid synthetic peptide from near the center of human TIM-4. The immunogen is located within amino acids 60 - 110 of TIM-4.
Predicted Reactive Species	Bovine

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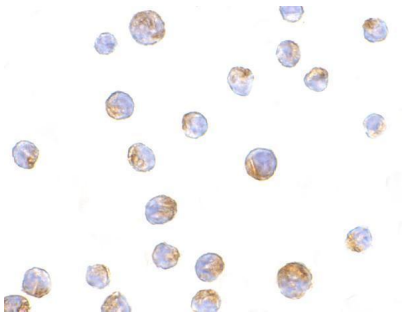
Cross Reactivity	At least four isoforms of TIM-4 are known to exist; this antibody will detect all four isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TIM-4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TIM-4 antibody can be used for the detection of TIM-4 by Western blot at 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL and Immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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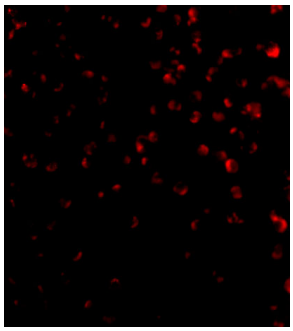
Anti-TIM-4 TIMD4 Antibody (A06637-1) Images



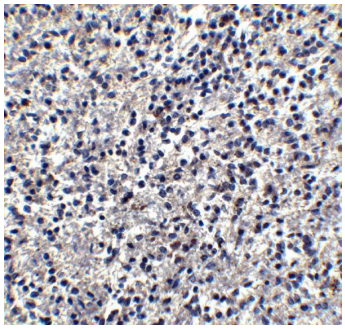
Western blot analysis of TIM-4 in RAW264.7 cell lysate with TIM-4 antibody at 2 ug/mL in (A) the absence and (B) the presence of blocking peptide.



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



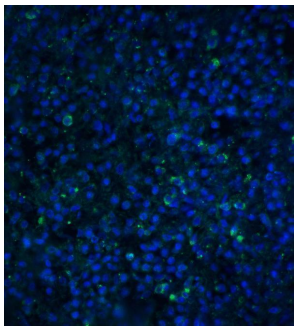
Immunofluorescence of TIM-4 in Jurkat cells with TIM-4 antibody at 20 ug/mL.

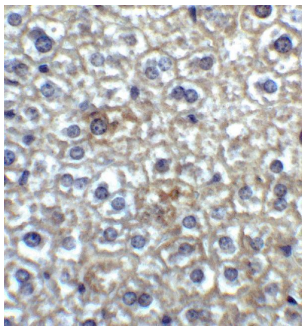


Immunohistochemistry of TIM-4 in human spleen tissue with TIM-4 antibody at 2.5 ug/ml.

Immunofluorescence of TIM-4 in human spleen tissue with TIM-4 antibody at 20 ug/ml.Green: TIM-4 Antibody (A06637-1) Blue: DAPI staining

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Immunohistochemistry of TIM-4 in mouse liver tissue with TIM-4 antibody at 2 ug/ml.

Anti-TIM-4 TIMD4 Antibody

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