BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-TIM-3 HAVCR2 Antibody

Catalog Number: A00657

About HAVCR2

The immune checkpoint protein TIM-3 is a member of the immunoglobulin superfamily and TIM family of proteins that was initially identified as a specific marker of fully differentiated IFN-gamma producing CD4 T helper 1 (Th1) and CD8 cytotoxic cells. It is a Th1-specific cell surface protein that regulates macrophage activation and negatively regulates Th1-mediated auto- and alloimmune responses, and is also highly expressed on regulatory T cells, monocytes, macrophages, and dendritic cells (1). TIM-3 and PD-1 are co-expressed on most CD4 and CD8 T cells infiltrating solid tumors or in hematologic malignancy in mice; blocking TIM-3 in conjugation with a PD-1 blockade increases the functionality of exhausted T cells and synergizes with to inhibit tumor growth (2,3).

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Overview

Product Name	Anti-TIM-3 HAVCR2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-TIM-3 HAVCR2 Antibody (Catalog # A00657). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TIM-3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TIM-3 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	Q8TDQ0

Technical Details

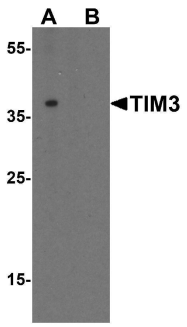
Immunogen	TIM-3 antibody was raised against a peptide corresponding to 16 amino acids near the amino terminus of human TIM-3. The immunogen is located within amino acids 60 - 110 of TIM-3.
Predicted Reactive Species	Rat

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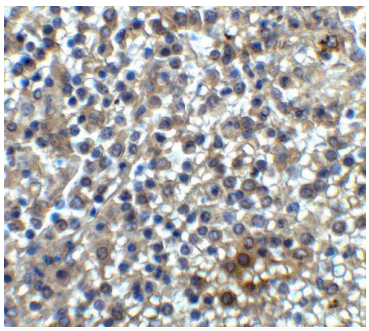
Cross Reactivity	At least two antibodies are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TIM-3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TIM-3 antibody can be used for Western blot at 1 - 2 ug/mL. Antibody can also be used for Immunohistochemistry at 2 ug/mL. For Immunoflorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry 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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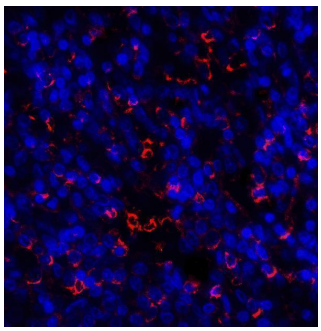
Anti-TIM-3 HAVCR2 Antibody (A00657) Images



Western blot analysis of TIM-3 in Jurkat cell lysate with TIM-3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TIM-3 in human spleen tissue with TIM-3 antibody at 2 ug/ml.



Immunofluorescence of TIM-3 in human spleen tissue with TIM-3 antibody at 20 ug/ml.Red: TIM-3 Antibody (A00657) Blue: DAPI staining

Anti-TIM-3 HAVCR2 Antibody

For Research Use Only. Not for use in diagnostic procedures.