BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TIM3 HAVCR2 Monoclonal Antibody [10C10]

Catalog Number: M00657

About HAVCR2

The immune checkpoint protein TIM3 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). TIM3 and PD-1 are co-expressed on most CD4 and CD8 T cells infiltrating solid tumors or in hematologic malignancy in mice; blocking TIM3 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-TIM3 HAVCR2 Monoclonal Antibody [10C10]
Reactive Species	Human
Description	Boster Bio Anti-TIM3 HAVCR2 Monoclonal Antibody [10C10] (Catalog # M00657). Tested in ELISA, WB, IHC-P, ICC, IF, Flow Cytometry applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IF, IHC-P, ICC, WB
Clonality	Monoclonal Clone: 10C10
Formulation	TIM-3 Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Storage Instructions	TIM-3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Mouse
Uniprot ID	Q8TDQ0

Technical Details

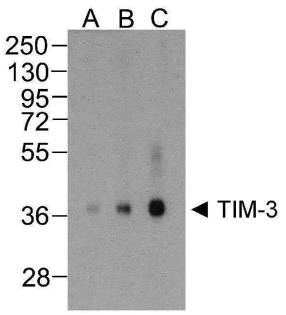
Immunogen	TIM-3 antibody was raised against the extracellular domain of human TIM-3
Predicted Reactive Species	Mouse, Rat
Isotype	IgG1,k

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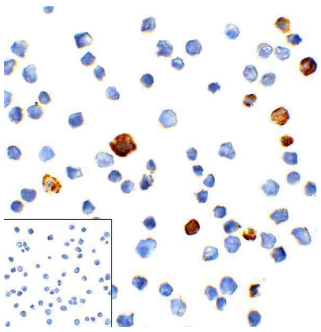
Form	Liquid
Concentration	1 mg/mL
Purification	TIM-3 Antibody is supplied as protein A purified IgG1.
Suggested Dilutions	TIM-3 antibody can be used for ELISA starting at 0.1 ug/mL. For Western blot start at 1 ug/mL. For Immunocytochemistry start at 1 ug/mL. For Immunofluorescence start at 10 ug/mL. For Immunohistochemistry start at 5 ug/mL. For Flow Cytometry start at 0.1 ug/ml. Optimal dilutions for each application should be determined by the researcher.

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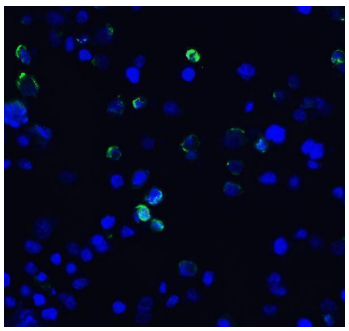
Anti-TIM3 HAVCR2 Monoclonal Antibody [10C10] (M00657) Images



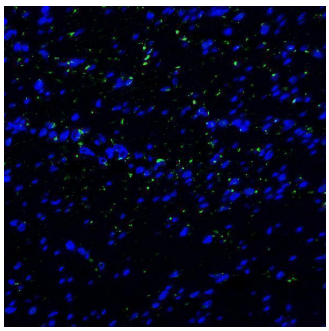
Western blot analysis of TIM-3 in overexpressing HEK293 cells TIM-3 antibody at (A) 0.25, (B) 0.5, and (C) 1 ug/ml



Immunocytochemistry of TIM-3 in transfected HEK293 cells with TIM-3 antibody at 1 ug/mL. Lower left: Immunocytochemistry in transfected HEK293 cells with control mouse IgG antibody at 1 ug/mL.



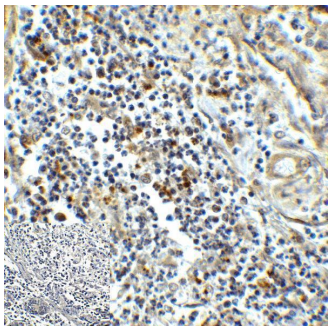
Immunofluorescence of TIM-3 in transfected HEK293 cells with TIM-3 antibody at 10 ug/mL. Green: TIM-3 Antibody [10C10] (M00657) Blue: DAPI staining

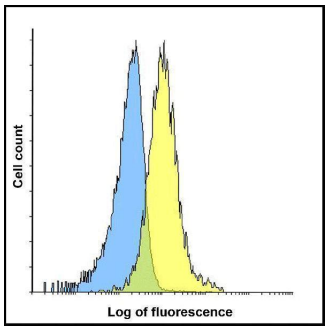


Immunofluorescence of TIM-3 in human colon carcinoma tissue with TIM-3 antibody at 20 ug/mL. Green: TIM-3 Antibody [10C10] (M00657) Blue: DAPI staining

Immunohistochemistry of TIM-3 in human colon carcinoma tissue with TIM-3 antibody at 5 ug/mL.

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Flow cytometry analysis of TIM-3 overexpressing HEK293 cells using TIM-3 antibody and control mouse IgG antibody at 0.1 ug/ml. Blue: Untransfected HEK293 cells. Yellow: TIM-3 overexpressing HEK293 cells.

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