

Mouse anti-Human TIM-3 Monoclonal Antibody | anti-TIM-3 antibody

TIM-3 Antibody [1B10]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40892	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot, ELISA

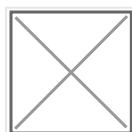
PRODUCT SYNONYMS

TIM-3; Monoclonal Antibody; TIM-3 Antibody [1B10]; Hepatitis A virus cellular receptor 2; Hepatitis A virus cellular receptor; HAVCR2; TIM3; CD366; KIM-3; TIMD3; TIMD-3; anti-TIM-3 antibody

PRODUCT SPECIFICATIONS

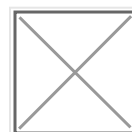
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	1B10
Purity/Purification	Protein A Purified
Form/Format	Liquid; Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	142
Applicable Applications for anti-TIM-3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	TIM-3 antibody was raised against the extracellular domain of human TIM-3
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree 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



FCM/FACS (Flow Cytometry)

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



IHC (Immunohistochemistry)

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



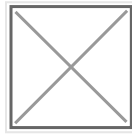
IF (Immunofluorescence)

Immunofluorescence of TIM-3 in human colon carcinoma tissue with TIM-3 antibody at 20 μg/mL. Green: TIM-3 Antibody [1B10] Blue: DAPI staining



IF (Immunofluorescence)

Immunofluorescence of TIM-3 in transfected HEK293 cells with TIM-3 antibody at 10 μg/mL. Green: TIM-3 Antibody [1B10] Blue: DAPI staining



ICC (Immunocytochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TIM-3 antibody	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).
Product Categories/Family for anti-TIM-3 antibody	Cell Cycle ; Cancer ; Immunology
References	1. Monney L, Sabatos CA, Gaglia JL, et al. Th1-specific cell surface protein Tim-3 regulates macrophage activation and severity of autoimmune disease. Nature 2002; 415:536-41. 2. Sakuishi K, Apetoh L, Sullivan JM, et al. Targeting Tim-3 and PD-1 pathways to reverse T cell exhaustion and restore anti-tumor immunity. J Exp Med 2010; 207:2187-94. 3. Zhou Q, Munger ME, Veenstra RG, et al. Coexpression of Tim-3 and PD-1 identifies a CD8+ T-cell exhaustion phenotype in mice with disseminated acute myelogenous leukemia. Blood 2011; 117:4501-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	84868
NCBI GeneID	84868
UniProt Accession #	Q8TDQ0 ; Q8WW60 ; Q96K94 ; B2RAY2
Molecular Weight	Predicted: 33 kDa Observed: 37 kDa
NCBI Official Full Name	hepatitis A virus cellular receptor 2
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 2
NCBI Official Symbol	HAVCR2
NCBI Official Synonym Symbols	TIM3; CD366; KIM-3; TIMD3; Tim-3; TIMD-3; HAVcr-2
NCBI Protein Information	hepatitis A virus cellular receptor 2
UniProt Protein Name	Hepatitis A virus cellular receptor 2
UniProt Gene Name	HAVCR2
UniProt Synonym Gene Names	TIM3; TIMD3; HAVcr-2; TIMD-3; TIM-3

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tim-3-antibody-clone-1b10-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/40892>