

Datasheet for ABIN7127103 **anti-TIM3 antibody (AA 22-202)**



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Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Binding Specificity:	AA 22-202
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIM3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human TIM3 protein (around aa 22-202) (exact sequence is proprietary)
Isotype:	IgG2
Specificity:	TIMs are type I transmembrane glycoproteins with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. TIM-3 is expressed on the surface of effector T cell tonsil, lymph node or spleen. Is (CD4+Th1 and CD8+Tc1) but not on helper T cells (CD4+Th2 and CD8+Tc2). In chronic inflammation, autoimmune disorders, and some cancers, TIM-3 is upregulated on several other hematopoietic cell types. The Ig domain of TIM-3 interacts with a ligand on resting but not activated Th1 and Th2 cells. The glycosylated Ig domain of TIM-3 binds cell-associated galectin-9. This induces TIM-3 Tyr phosphorylation and pro-apoptotic signaling. TIM-3 functions as a negative regulator of Th1 cell activity. Its blockade results in increased IFN-gamma production, Th1 cell proliferation and cytotoxicity, regulatory T cell development, and

Product Details

increases in macrophage and neutrophil infiltration into sites of inflammation.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: TIM3 (TIM 3)

Alternative Name: HAVCR2 ([TIM 3 Products](#))

Target Type: Virus

Background: CD366, HAVR2, Hepatitis A virus cellular receptor 2 (HAVCR2), Kidney injury molecule 3 (KIM3), T-cell immunoglobulin and mucin domain-containing protein 3, T-cell immunoglobulin mucin receptor 3, T-cell membrane protein 3, TIM3, TIMD3,TIM3 / HAVCR2 / CD366 (Effector T-Cell Marker)
Cellular localisation: Cell Surface

Molecular Weight: 60kDa

Gene ID: 84868, 710500

UniProt: [Q8TDQ0](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Known_Application: Western Blot (1-2 µg/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: HepG2 or Daudi cells. Human tonsil, lymph node or spleen.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months