

Datasheet for ABIN7654940

anti-TIM3 antibody (AA 22-202) (CF®647)



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Overview

Quantity:	100 µL
Target:	TIM3 (TIM 3)
Binding Specificity:	AA 22-202
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIM3 antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	TIM3 / HAVCR2 / CD366 (Effector T-Cell Marker)(TIM3/3113), CF647 conjugate
Immunogen:	Recombinant fragment of human TIM3 protein (around aa 22-202)
Clone:	TIM3-3113
Isotype:	IgG2a, kappa
Characteristics:	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 cells (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

Product Details

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 increases in macrophage and neutrophil infiltration into sites of inflammation. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	CD366
Background:	Synonyms: 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 Gene Symbol: HAVCR2
Molecular Weight:	60 kDa
Gene ID:	84868
UniProt:	Q8TDQ0
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: PC3, BT474, HepG2, HDLM-2 or Daudi cells. Tonsil, lymph node or spleen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months