Datasheet for ABIN7600687

anti-TIM3 antibody (AA 22-301)

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Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Binding Specificity:	AA 22-301
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIM3 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-TIM 3/HAVCR2 Antibody Picoband®
Immunogen:	E.coli-derived human TIM 3/HAVCR2 recombinant protein (Position: S22-P301).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TIM 3/HAVCR2 Antibody Picoband® (ABIN7600687). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	HAVCR2 (TIM 3 Products)
Background:	Synonyms: Hepatitis A virus cellular receptor 2, HAVcr-2, T-cell immunoglobulin and mucin domain-containing protein 3, TIMD-3, T-cell immunoglobulin mucin receptor 3, TIM-3, T-cell membrane protein 3, HAVCR2, TIM3, TIMD3 Tissue Specificity: Expressed in T-helper type 1 (Th1) lymphocytes. Expressed on regulatory T (Treg) cells after TCR stimulation. Expressed in dendritic cells and natural killer (NK) cells. Expressed in epithelial tissues. Expression is increased on CD4+ and CD8+ T-cells in chronic hepatitis C virus (HCV) infection. In progressive HIV-1 infection, expression is up- regulated on HIV-1-specific CD8 T-cells. Background: Hepatitis A virus cellular receptor 2 (HAVCR2), also known as T-cell immunoglobulin and mucin-domain containing-3 (TIM-3), is a protein that in humans is encoded by the HAVCR2 gene. The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance.
Molecular Weight:	55 kDa
Gene ID:	84868
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Cancer Immune Checkpoints

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: HAVCR2 hepatitis A virus cellular receptor 2". 2. Monney L, Sabatos CA, Gaglia JL, Ryu A, Waldner H, Chernova T, Manning S, Greenfield EA, Coyle AJ, Sobel RA, Freeman GJ, Kuchroo VK (Feb 2002). "Th1-specific cell surface protein Tim-3 regulates macrophage activation and severity of an autoimmune disease". Nature. 415 (6871): 536-41.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.