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Datasheet for ABIN5526613

TIM3 Protein (AA 22-201) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Protein Characteristics:	AA 22-201
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TIM3 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 22-201
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 45.8 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	TIM-3 (TIM 3 Products)

Target Details

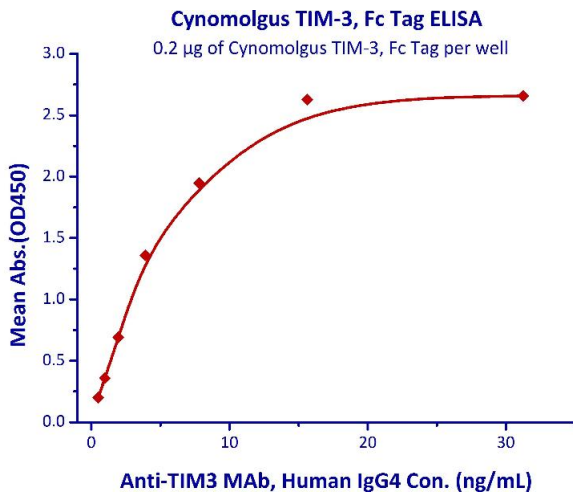
Target Type:	Virus
Background:	<p>Hepatitis A virus cellular receptor 2 is also known as HAVCR2, FLJ14428, KIM3, TIM3, TIMD3, is a member of the TIM family of immune regulating molecules with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells and their associated cytokines 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. The 2 types of cells also cross-regulate the functions of the other. HAVCR2 is a Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice. HAVCR2 regulates macrophage activation. Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. May be also involved in T-cell homing. Dysregulation of the HAVCR2-galectin-9 pathway could underlie chronic autoimmune disease states in human, such as multiple sclerosis.</p>
Molecular Weight:	45.8 kDa
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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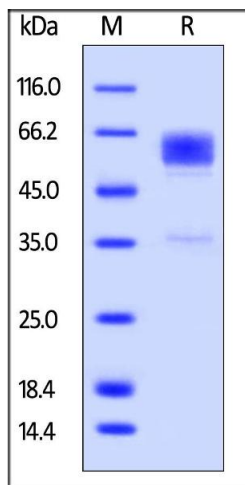
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Cynomolgus TIM-3, Fc Tag (ABIN5526613, ABIN5526614) at 2 µg/mL (100 µL/well) can bind A Mab, Human IgG4 with a linear range of 0.5-4 ng/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus TIM-3, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85 % .