

Datasheet for ABIN7566382

TIMD4 Protein (AA 22-279) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TIMD4
Protein Characteristics:	AA 22-279
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TIMD4 protein is labelled with Fc Tag.

Product Details

Purpose:	Tim-4 (mouse):Fc (human) (rec.)
Cross-Reactivity:	Mouse
Characteristics:	The extracellular domain of mouse Tim-4 (aa 22-279) is fused to the N-terminus of the Fc region of human IgG1.
Purity:	>95 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<1EU/mg protein (LAL test, Lonza).
Biological Activity Comment:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.

Target Details

Target:	TIMD4
Alternative Name:	Tim-4 (TIMD4 Products)
Background:	<p>TIM4, TIMD4, T Cell Immunoglobulin and Mucin Domain-containing Protein 4</p> <p>Mouse T cell immunoglobulin and mucin domain-containing protein 4, also known as T cell membrane protein 4, TIMD4 and TIM4 is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily and TIM family. TIM4 contains one Ig-like V-type (immunoglobulin-like) domain. It is expressed on dendritic cells and macrophages. TIM4 plays an important role in the proliferation of T helper type 2 (Th2) cells. TIM4 is involved in regulating T cell proliferation and lymphotoxin signaling. It is a ligand for HAVCR1 / TIMD1. The expression of TIM4 in fibroblasts enhanced their ability to engulf apoptotic cells. TIM4 and TIM1 are phosphatidylserine receptors for the engulfment of apoptotic cells and may also be involved in intercellular signaling in which exosomes are involved. Modulation of TIM4 production in dendritic cells (DCs) represents a novel therapeutic approach for the treatment of peanut allergy.</p>
Molecular Weight:	~70-85kDa (SDS-PAGE, reducing conditions)
NCBI Accession:	NP_848874
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>