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Datasheet for ABIN6253412
TIMD4 Protein (AA 22-279) (Fc Tag)

Overview

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

Product Details

Purpose:	Tim-4 (mouse):Fc (human) (rec.)
Specificity:	The extracellular domain of mouse Tim-4 (aa 22-279) is fused to the N-terminus of the Fc region of human IgG1.
Characteristics:	Protein. The extracellular domain of mouse Tim-4 (aa 22-279) is fused to the N-terminus of the Fc region of human IgG1. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). 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

Product Details

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.

Purity: >98 % (SDS-PAGE)

Endotoxin Level: <0.06EU/μg 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: Alternate Names/Synonyms: TIM4, TIMD4, T Cell Immunoglobulin and Mucin Domain-containing Protein 4

Product Description: 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.

NCBI Accession: [NP_848874](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

Concentration:	Lot specific
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C 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.