

Datasheet for ABIN7566384
TIMD4 Protein (AA 23-279) (Fc Tag)



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Overview

Quantity:	3 x 50 µg
Target:	TIMD4
Protein Characteristics:	AA 23-279
Origin:	Human, Mouse
Source:	HEK-293 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:	Human, Mouse
Characteristics:	The extracellular domain of mouse Tim-4 (aa 23-279) is fused to the N-terminus of the Fc region of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test).
Biological Activity Comment:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.

Target Details

Target:	TIMD4
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Target Details

Alternative Name: [Tim-4 \(TIMD4 Products\)](#)

Background: TIM4, TIMD4, T Cell Immunoglobulin and Mucin Domain-containing Protein 4
Tim-4 (T cell immunoglobulin and mucin domain-containing protein 4) is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily and TIM family. Tim-4 contains one Ig-like V-type (immunoglobulin-like) domain. It is expressed on dendritic cells and macrophages. TIM4 is expressed solely on antigen presenting cells (APCs) and is not found on T cells in contrast to TIM1 and TIM3. Tim-4 has a short intracellular domain and lacks an inward signaling motif. Tim-4 plays an important role in the proliferation of T helper type 2 (Th2) cells. Tim-4 binds to phosphatidylserine (PS) on the surface of apoptotic cells in a calcium-dependent manner and mediates phagocytosis of apoptotic cells.

Molecular Weight: ~110kDa (SDS-PAGE)

UniProt: [Q6U7R4](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 1 mg/mL after reconstitution

Concentration: 1 mg/mL

Buffer: Contains PBS.

Handling Advice: Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.