

Timd4

Recombinant Mouse Tim-4:Human Fc Chimera

Catalog No.	CRM046	Quantity:	100 µg
Alternate Names:	TIM-4, Tim4		
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		
			The extracellular domain of mouse Tim-4 (aa 22-279) is fused to the N-terminus of the Fc region of human IgG1.
Gene ID:	276891		
Protein Accession No:	NP_848874.3		
Source:	CHO cells		
Formulation:	Lyophilized from a 0.2 µm filtered solution containing PBS.		
Purity:	≥98% (SDS-PAGE)		
Endotoxin Level:	<0.06 EU/µg purified protein as determined by LAL test (Lonza).		
Biological Activity:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.		
Reconstitution:	Reconstitute with 100 µl (1 mg/ml) sterile water. Add 1X PBS to the desired protein concentration.		
Storage & Stability:	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. Avoid repeated freeze-thaw cycles.		

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