

Human CellExp™ Tim-4, (Fc-Tag), Mouse Recombinant

CATALOG NO:	P1362-10 P1362-50	10 µg 50 µg
ALTERNATE NAMES:	TIM4; TIMD4; T Cell Immunoglobulin and Mucin Domain-containing Protein 4; T Cell Membrane Protein 4	
SOURCE:	HEK 293 cells (aa 22-279)	
PURITY:	≥ 85% by SDS – PAGE	
SEQUENCE:	The extracellular domain of mouse Tim-4 (aa 22-279) is fused to the N-terminus of the Fc region of mouse IgG2a.	
MOLECULAR WT.:	~85 kDa	
ENDOTOXIN LEVEL:	< 5 EU/µg protein by LAL method	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.2 µm-filtered solution in PBS	
STORAGE CONDITIONS:	For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.	
DESCRIPTION:	<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>	
BIOLOGICAL ACTIVITY:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells	

RELATED PRODUCTS:

- Human CellExp™ HAVCR1 / KIM1 / TIM1, human recombinant (**Cat. No. 7494**)
- TIM-4, human recombinant (**Cat. No. P1108**)
- Tim-1, Human Recombinant (**Cat. No. P1351**)
- Tim-1, Human Recombinant (**Cat. No. P1352**)
- Human CellExp™ Tim-1, Fc Tag, Human Recombinant (**Cat. No. P1353**)
- Tim-1, Mouse Recombinant (**Cat. No. P1354**)
- Human CellExp™ Tim-2, Fc Tag, Mouse Recombinant (**Cat. No. P1355**)
- Tim-2, Mouse Recombinant (**Cat. No. P1356**)
- Tim-3, Human Recombinant (**Cat. No. P1357**)
- Tim-3, Human Recombinant, (Fc-Tag Mouse) (**Cat. No. P1358**)
- Human CellExp™ Tim-3, Mouse Recombinant (**Cat. No. P1359**)
- Human CellExp™ Tim-3, (Fc-Tag Mouse), Mouse Recombinant (**Cat. No. P1360**)
- Human CellExp™ Tim-4, (Fc-Tag), Human Recombinant (**Cat. No. P1361**)
- Tim-4, Mouse Recombinant (**Cat. No. P1363**)

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