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32-8998: Recombinant Human T-cell Immunoglobulin and Mucin Domain-containing Protein 4/Tim-4 (C-6His)

Gene : TIMD4
Gene ID : 91937
Uniprot ID : Q96H15

Description

Source: Human Cells.
MW :32.3kD.
Recombinant Human T-cell Immunoglobulin and Mucin Domain-containing Protein 4 is produced by our Mammalian expression system and the target gene encoding Glu25-Leu315 is expressed with a 6His tag at the C-terminus. T-cell Immunoglobulin and Mucin Domain-containing Protein 4(TIM-4) belongs to the immunoglobulin superfamily, is a member of the TIM family of immune regulating proteins. TIMs are type I transmembrane proteins with one Ig-like V domain and one Ser/Thr-rich mucin domain. Structurally, TIM-4 is distinguished from other TIMs by the presence of an RGD motif in its Ig domain and the lack of a site for tyrosine phosphorylation in its cytoplasmic tail. The mucin domain in TIM-4 is larger than in TIM-1 or TIM-3. TIM-4 is expressed by macrophages and mature dendritic cells but not by lymphocytes. it is Involved in regulating T-cell proliferation and lymphotoxin signaling.The interaction of TIM-4 with TIM-1 induces costimulatory and hyperproliferative signals in T cells. TIM-4 binds specifically to TIM-1 which is also the cellular receptor for the hepatitis A virus, and has been implicated in the development of asthma.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	ETVVTEVLGHRVTLPCLYSSWSHNSNSMCWGKDQCPYSGCKEALIRTDGMRVTSRKSAKYRLQGTIPRGDVS LTILNPSESDSGVYCCRIEVPGWFNDVKINVRLNLQRASTTTHRTATTTTRRTTTTSPTTTRQMTTTPAALPTTV VTTPDLTTGTPLQMTTIAVFTTANTCLSLTPSTLPEEATGLLTPEPSKEGPILTAESETVLPSDSWSSAESTSADTV LLTSKESKVWDLPSTSHVSMWKTSDSVSSPQPGASDTAVPEQNKTTKTGQMDGIPMSMKNEMPISQLHHHHH H

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.