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CD86 Protein (CD86) (His tag)



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Quantity:	50 µg
Target:	CD86
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD86/B7-2 Protein (His Tag)
Sequence:	Val24-Lys244
Characteristics:	Recombinant Mouse CD86 is produced by our Mammalian expression system and the target gene encoding Val24-Lys244 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD86	
Alternative Name:	CD86/B7-2 (CD86 Products)	
Background:	round: Background: T-lymphocyte activation antigen CD86 (B7-2) is a glycosylated protein in the B family. B7 family members are transmembrane cell surface molecules that play important r	
	in immune activation and the maintenance of immune tolerance. Mouse CD86 shares 59 % and	

81 % aa sequence identity with human and rat CD86, respectively. It contains 1 Ig-like C2-type domainand 1 Ig-like V-type domain. It is highly expressed on activated antigen presenting cells. CD86 involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation.

Synonym: T-lymphocyte activation antigen CD86, Activation B7-2 antigen, Early T-cell costimulatory molecule 1, ETC-1, CD86,B7,B7-2,B7.2,B70,Cd28l2,CLS1,ETC-1,Ly-58,Ly58,MB7,MB7-2,TS/A-2

Molecular Weight: 25.9 kDa

UniProt: P42082

TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

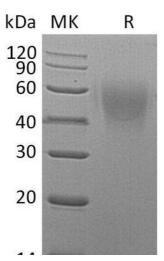
Application Details

Restrictions: For Research Use only

Handling

Pathways:

Format:	Lyophilized	
Reconstitution:	Please refer to the printed manual for detailed information.	
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.	
Storage:	4 °C,-20 °C,-80 °C	
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted	
	samples are stable at < -20°C for 3 months.	



Western Blotting

Image 1.