

Datasheet for ABIN7194975
CD86 Protein (CD86) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CD86
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD86 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD86/B7-2 Protein (His Tag)(Active)
Sequence:	Met 1-Glu 245
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Glu 245) of mouse CD86 (NP_062261.3) precursor was fused with a polyhistidine tag at the C-terminus.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse CD86 at 20 µg/ml (100 µl/well) can bind mouse CD28 with a linear ranger of 6.4-800 ng/ml.

Target Details

Target:	CD86
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Target Details

Alternative Name:	CD86/B7-2 (CD86 Products)
Background:	Background: CD86, also known as B-lymphocyte activation antigen B7-2 (referred to as B70), is a member of the cell surface immunoglobulin superfamily. B7-2 exists predominantly as a monomer on cell surfaces and interacts with two co-stimulatory receptors CD28 and cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) expressed on T cells, and thus induces the signal pathways which regulate T cell activation and tolerance, cytokine production, and the generation of CTL. It is indicated that contacts between B and T helper cells mediated by CD86 encourage signals for the proliferation and IgG secretion of normal B cells and B cell lymphomas. Recent study has revealed that CD86 also promotes the generation of a mature APC repertoire and promotes APC function and survival. CD86 has an important role in chronic hemodialysis, allergic pulmonary inflammation, arthritis, and antiviral responses, and thus is regarded as a promising candidate for immune therapy. Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: IP Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Co-inhibitory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy 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:	26.8 kDa
NCBI Accession:	NP_062261
Pathways:	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

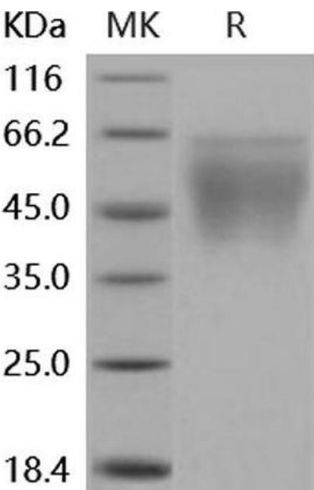
Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4

Handling

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.

Images



Western Blotting

Image 1.