

Datasheet for ABIN7491045

CD86 Protein (CD86) (AA 24-245) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CD86
Protein Characteristics:	AA 24-245
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse B7-2 protein with C-terminal human Fc tag
Specificity:	Mouse B7-2 (Val24-Glu245) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD86
Alternative Name:	B7-2 (CD86 Products)
Background:	This gene encodes a type I membrane protein that is a member of the immunoglobulin

Target Details

superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.

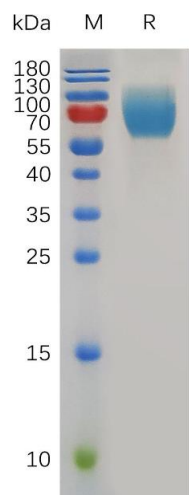
Molecular Weight:	predicted molecular mass of 51.4 kDa after removal of the signal peptide. The apparent molecular mass of mB7-2-hFc is 55-70 kDa due to glycosylation.
UniProt:	P42082
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , 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
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse B7-2 Protein, hFc Tag on SDS-PAGE under reducing condition.