

Datasheet for ABIN7273897

CD86 Protein (CD86) (AA 26-247) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD86
Protein Characteristics:	AA 26-247
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with Fc Tag.

Product Details

Purpose:	Human B7-2/CD86 Protein
Sequence:	Leu26-Pro247
Characteristics:	Recombinant Human B7-2/CD86 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu26-Pro247.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CTLA-4, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Human B7-2, hFc Tag with the EC50 of 0.16µg/ml determined by ELISA. See testing image for detail.

Target Details

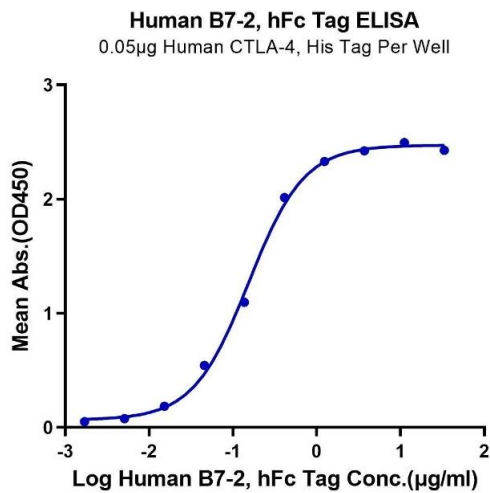
Target:	CD86
Alternative Name:	B7-2 (CD86 Products)
Background:	B7-1 and B7-2 are homologous costimulatory ligands expressed on the surface of antigen presenting cells (APCs). Binding of these molecules to the T cell costimulatory receptors, CD28 and CTLA-4, is essential for the activation and regulation of T cell immunity. B7-1 and B7-2 do not form hetero-oligomers, underscoring the biological relevance of dimeric and monomeric state of B7-1 and B7-2, respectively.
Molecular Weight:	52 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Tris-Bis PAGE result.
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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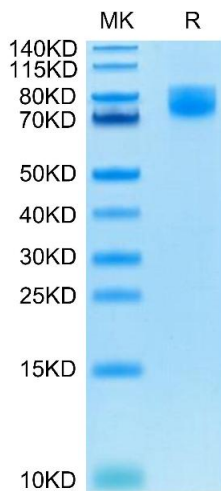
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



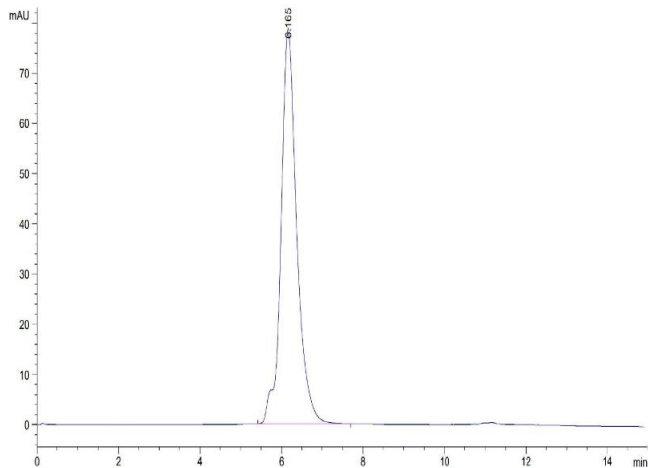
ELISA

Image 1. Immobilized Human CTLA-4, His Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for Human B7-2, hFc Tag with the EC50 of 0.16 µg/mL determined by ELISA.



SDS-PAGE

Image 2. Human CD86 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD86 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7273897.