



[Go to Product page](#)

Datasheet for ABIN7273899

## CD86 Protein (CD86) (His-Avi Tag,Biotin)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD86
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with His-Avi Tag,Biotin.

#### Product Details

Sequence:	Leu26-Pro247
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human B7-2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human CTLA-4, hFc Tag with the EC50 of 0.2µg/ml determined by ELISA. See testing image for detail.

#### Target Details

Target:	CD86
Alternative Name:	B7-2 ( <a href="#">CD86 Products</a> )
Background:	CD86 Molecule, CD86, B70, B7-2 antigen, B72, B7-2, BU63, FUN-1, LAB72, MGC34413, CD28LG2,B7-1 and B7-2 are homologous costimulatory ligands expressed on the surface of

## Target Details

---

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: 28.2 kDa. Due to glycosylation, the protein migrates to 55-70 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

## Handling

---

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

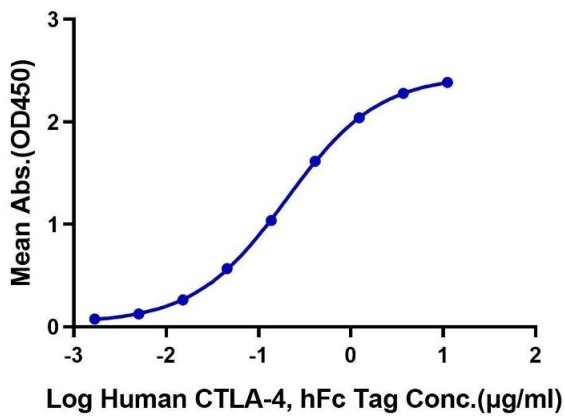
Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

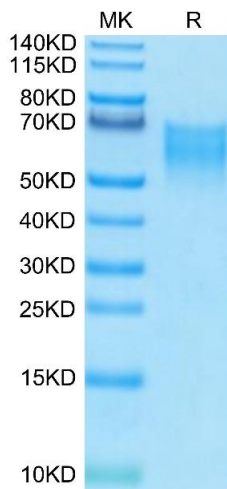
**Biotinylated Human B7-2, His Tag ELISA**

0.05µg Biotinylated Human B7-2, His Tag Per Well



**ELISA**

**Image 1.** Immobilized Biotinylated Human B7-2, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CTLA-4, hFc Tag with the EC50 of 0.2 µg/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Biotinylated Human B7-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .