

Biotinylated Recombinant Human B7-2/CD86 Protein

Catalog No.: RP00561B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	942	P42081-1

Tags

C-His&Avi

Synonyms

41BB Ligand; 4-1BB Ligand; 4-1BBL;
CD137L; TNFSF9

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

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.

Basic Information

Description

Biotinylated Recombinant Human B7-2/CD86 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu26-Pro247) of Human B7-2/CD86 (Accession #P42081-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

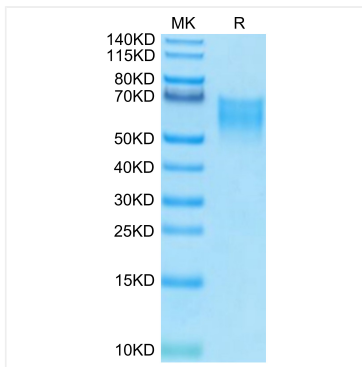
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

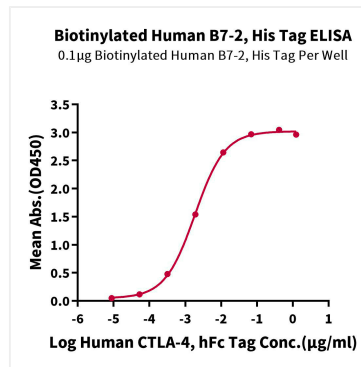
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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



Immobilized Biotinylated Human B7-2, His Tag at 1 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human CTLA-4, hFc Tag with the EC₅₀ of 1.9ng/mL determined by ELISA.