

Recombinant Mouse B7-2/CD86 Protein

Catalog No.: RP01234

Sequence Information

Species **Gene ID**
Mouse 12524

Swiss Prot **Tags**
P42082 C-His

Synonyms

CD86,B7-2,B70,CD28LG2,LAB72,
MGC34413,CD86,CD86,B7-2,B70,
CD28LG2,LAB72,MGC34413,CD86

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE; ≥ 90
 % as determined
 by HPLC.

Calculated MWObserved MW
26.06 kDa 35-55 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4. Contact us
for customized product form or
formulation.

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.

Background

CD86, also known as B-lymphocyte activation antigen B7-2 (referred to as B70), is a member of the cell surface immunoglobulin superfamily. CD86 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.

Basic Information

Description

Recombinant Mouse B7-2/CD86 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val24-Glu245) of mouse CD86/B7-2 (Accession #NP_062261.3) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse CD86 at 2 μg/mL (100 μL/well) can bind Recombinant Human CTLA-4 with a linear range of 8-35 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

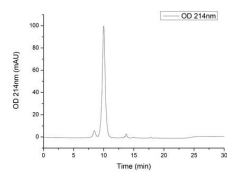
Contact

☎ | 400-999-6126

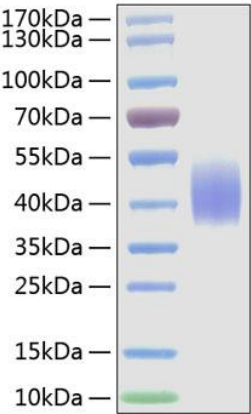
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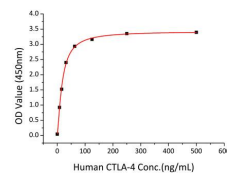
Validation Data



The purity of Mouse CD86/B7-2 Protein (Cat.RP01234) was greater than 90% as determined by SEC-HPLC.



Recombinant Mouse B7-2/CD86 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Mouse CD86 at 2 µg/mL (100 µL/well) can bind Recombinant Human CTLA-4 with a linear range of 8-35 ng/mL.