

Recombinant Mouse B7-2/CD86 Protein

Catalog No.: RP01235

Sequence Information

Species	Gene ID
Mouse	12524
Swiss Prot	Tags
P42082	C-hFc

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.

Calculated MW	Observed MW
51.18 kDa	65-90 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 Fc tag at the C-terminus.

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Mouse CTLA-4/CD152 at 2 μg/mL (100 μL/well) can bind Mouse B7-2/CD86 with a linear range of 0.1-54.9 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

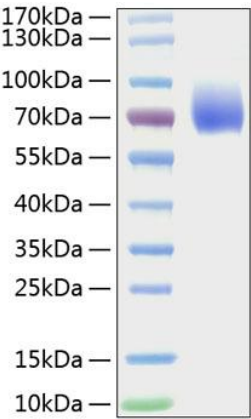
Operational Notes

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

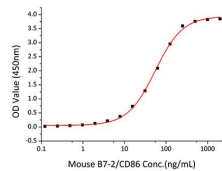
Contact

		400-999-6126
		cn.market@abclonal.com.cn
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Validation Data



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



Immobilized Mouse CTLA-4/CD152 at 2 μ g/mL (100 μ L/well) can bind Mouse B7-2 /CD86 with a linear range of 0.1–54.9 ng/mL.