Recombinant Mouse B7-1/CD80 Protein

Catalog No.: RP01230

Sequence Information

Species
Mouse

Gene ID
12519

Swiss Prot
Q00609

Tags
C-His

Synonyms
B7,B7-1,B7.1,BB1,CD28LG, CD28LG1,LAB7,CD80,B7,B7-1,B7.1, BB1,CD28LG,CD28LG1,LAB7,CD80

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
24.52 kDa

Observed MW
40-55 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

Basic Information

Description
Recombinant Mouse B7-1/CD80 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val38-Lys245) of mouse B7-1/CD80 (Accession #NP_033985.3) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse CD80 at 2 μg/mL (100 μL/well) can bind Recombinant Human CTLA-4 with a linear range of 16-66 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℃

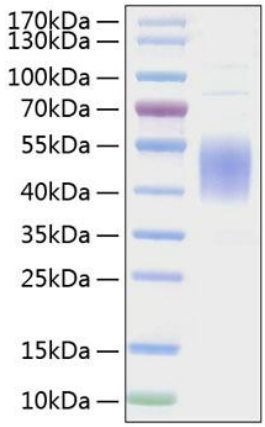
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

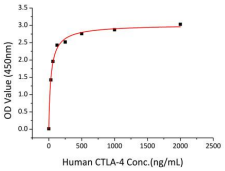
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Recombinant Mouse B7-1/CD80 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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