

General Information

Gene Name Synonym

Activation B7-1 antigen

Protein Construction

A DNA sequence encoding the mouse CD80 (Q00609-1) extracellular domain (Met 1-Lys 245) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human CTLA4 (cat: 503821) at 10 µg/mL (100 µl/well) can bind mouse CD80-Fc (cat: 502695), The EC₅₀ of mouse CD80-Fc (cat: 502695) is 28 ng/mL.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Val 38

Molecular Mass

The recombinant mouse CD80 consists of 449 amino acids and has a predicted molecular mass of 50.7 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

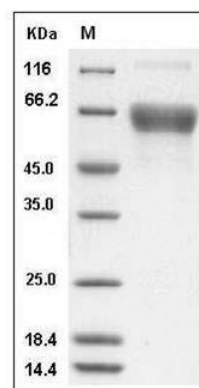
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse CD80 / B7-1 Protein (Fc Tag) SDS-PAGE