Catalog Number: 502695



# **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  $\mu$ g/mL (100  $\mu$ l/well) can bind mouse CD80-Fc (cat: 502695), The EC<sub>50</sub> of mouse CD80-Fc (cat: 502695) is 28 ng/mL.

## Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

#### **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 7.41. 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**

KDa	М
116	
66.2	
45.0	-
35.0	-
25.0	-
18.4	_
14.4	-

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