

Mouse B7-DC/PD-L2/CD273 (Fc Tag) recombinant protein



Catalog Number: 504184

General Information

Gene Name Synonym

Butyrophilin B7-DC

Protein Construction

A DNA sequence encoding the extracellular domain of mouse PDCD1LG2 (Q9WUL5) (Met 1-Arg 219) 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 PD1-His (Cat:503606) at 10 µg/mL (100 µl/well) can bind mouse PD-L2-Fc, The EC₅₀ of mouse PD-L2-Fc is 0.95 µg/mL.

Purity

> 95 % 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

Leu 20

Molecular Mass

The recombinant mouse PDCD1LG2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 441 amino acids and has a calculated molecular mass of 49.5 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 60 kDa in SDS-PAGE under reducing conditions.

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

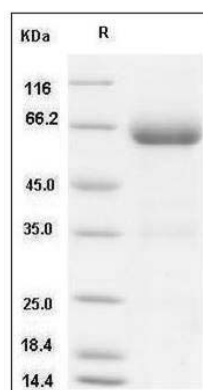
Storage

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



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