

General Information

Gene Name Synonym

Membrane glycoprotein; Protein Cd86

Protein Construction

A DNA sequence encoding the rat CD86 (NP_064466.1) extracellular domain (Met 1-Ile 250) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized rat CD86 at 2 µg/ml (100 µl/well) can bind mouse CD28 with a linear range of 6.4-160 ng/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

Pro 30

Molecular Mass

The recombinant rat CD86 comprises 232 amino acids and predicts a molecular mass of 26.8 kDa. The apparent molecular mass of the rat CD86 is approximately 40-70 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

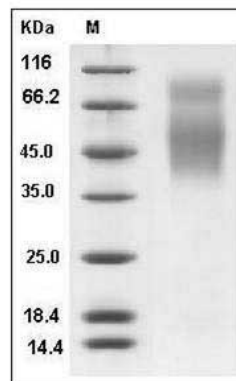
Storage

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



Rat CD86 / B7-2 Protein (His Tag) SDS-PAGE