

Mouse CD180/RP105 (His Tag) recombinant protein



Catalog Number: 503361

General Information

Gene Name Synonym

Lymphocyte antigen 78; Radioprotective 105 kDa protein

Protein Construction

A DNA sequence encoding the mouse CD180 (NP_032559.2) extracellular domain (Met 1-Ser 626) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse CD180 at 2 µg/ml (100 µl/well) can bind biotinylated mouse MD-1 with a linear ranger of 6.25-50 µg/ml.

Purity

> 92 % 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

Thr 21

Molecular Mass

The recombinant mouse CD180 consists of 617 amino acids and predicts a molecular mass of 69.4 kDa. As a result of glycosylation, the apparent molecular mass of rm CD180 is approximately 80 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

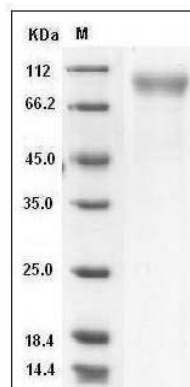
Storage

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



Mouse CD180 / RP105 Protein (His Tag) SDS-PAGE