

Mouse MBL-1 (His Tag) recombinant protein



Catalog Number: 500733

General Information

Gene Name Synonym

Mannan-binding protein; Ra-reactive factor polysaccharide-binding component p28B

Protein Construction

A DNA sequence encoding the mature form of mouse MBL (NP_034905.1) (Ser 18-Ala 239) was expressed with a N-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Using the Octet RED System, the affinity constant (Kd) of mouse MBL bound to biotinylated mannan was 72nM.

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

His

Molecular Mass

The secreted recombinant mouse MBL consists of 238 amino acids and has a calculated molecular mass of 25.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 32 kDa protein 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

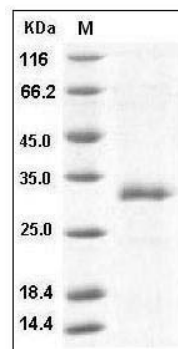
Storage

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 MBL1 Protein (His Tag) SDS-PAGE