

General Information

Protein Construction

A DNA sequence encoding the mouse IFNG (P01580) (Met 1-Cys 155) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED_{50} for this effect is typically 0.2-1 ng/mL.
2. Measured by its binding ability in a functional ELISA. Immobilized mouse IFNG-His (cat:504176) at 10 µg/ml (100 µl/well) can bind mouse IFNGR1-Fc (Cat:503623). The EC_{50} of mouse IFNGR1-Fc (Cat:503623) is 58.2-135.9 ng/ml.

Purity

> 75 % 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 23

Molecular Mass

The recombinant mouse IFNG comprises 144 amino acids and has a calculated molecular mass of 17 kDa. As a result of glycosylation, the apparent molecular mass of rn IFNG is approximately 21 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

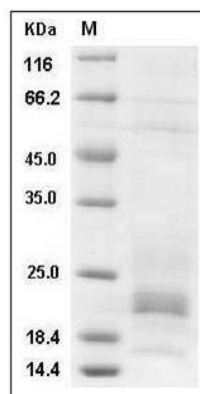
Storage

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 IFNG / Interferon Gamma Protein (His Tag)
SDS-PAGE