

Mouse IL-10 recombinant protein



Catalog Number: 504493

General Information

Protein Construction

A DNA sequence encoding the feline IL10 (P55029.2) (Ser19-Ile178) was expressed with an initial Met at the N-terminal.

Organism

Feline

Expression Host

E. coli

QC Testing

Activity

1. Immobilized feline IL10 at 10 µg/ml (100 µl/well) can bind Cynomolgus IL10RA-Fc (Cat:504750). The EC₅₀ of Cynomolgus IL10RA-Fc (Cat:504750) is 0.14-0.32 µg/ml.

2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED₅₀ for this effect is typically 0.1-0.6 ng/mL.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant feline IL10 consists of 161 amino acids and has a predicted molecular mass of 18.9 kDa. The apparent molecular mass of it is approximately 19 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

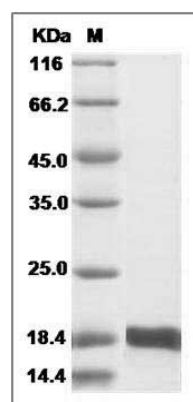
Storage

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



Feline IL10 / Interleukin-10 Protein SDS-PAGE