

Marmoset IL12B/IL-12B (Fc Tag) recombinant protein



Catalog Number: 501139

General Information

Gene Name Synonym

Cytotoxic lymphocyte maturation factor 40 kDa subunit; IL-12 subunit p40

Protein Construction

A DNA sequence encoding the marmoset IL12B (F71Q84) (Met1-Asn328) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Marmoset

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized marmoset IL12B-Fc at 10 µg/mL (100 µL/well) can bind biotinylated human IL12RB1-His (Cat:501974). The EC₅₀ of human IL12RB1-His is 0.66-1.53 µg/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

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Molecular Mass

The recombinant marmoset IL12B is a disulfide-linked homodimer. The reduced monomer comprises 547 amino acids and has a calculated molecular mass of 61.9 KDa. The apparent molecular mass of the protein is approximately 66 KDa in SDS-PAGE.

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

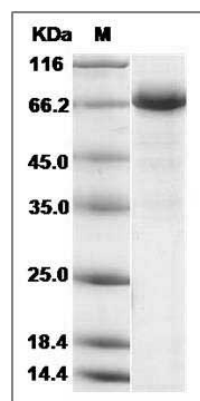
Storage

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



Marmoset IL12B / IL-12B Protein (Fc Tag) SDS-PAGE