

Canine IL13RA2 / CD213A2 (Fc Tag) recombinant protein



Catalog Number: 502030

General Information

Protein Construction

A DNA sequence encoding the canine IL13RA2 (NP_001003075.1) (Met1-Thr338) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit IL13 dependent proliferation of TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 0.01-0.04 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

Ser 22

Molecular Mass

The recombinant canine IL13RA2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 558 amino acids and has a predicted molecular mass of 64.1 kDa. The apparent molecular mass of the protein is approximately 66-72 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

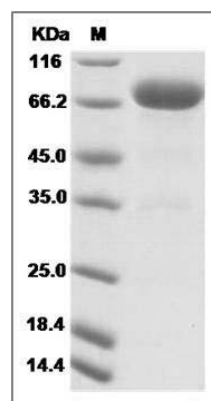
Storage

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



Canine IL13RA2 / IL13R Protein (Fc Tag) SDS-PAGE