

Mouse IL-1R2/CD121b (His Tag) recombinant protein



Catalog Number: 501011

General Information

Gene Name Synonym

CD121 antigen-like family member B; IL-1 type II receptor; Interleukin-1 receptor beta; Interleukin-1 receptor type II; Interleukin-1 receptor type 2, membrane form; Interleukin-1 receptor type 2, soluble form

Protein Construction

A DNA sequence encoding the mouse IL1R2 (P27931) (Met1-Glu355) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized mouse IL1R2-His at 10 µg/ml (100 µl/well) can bind biotinylated human IL1B-His (Cat:501519), The EC₅₀ of biotinylated human IL1B-His (Cat:501519) is 0.37-0.85 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

Phe 14

Molecular Mass

The recombinant mouse IL1R2 comprises 353 amino acids and has a predicted molecular mass of 39.6 kDa. The apparent molecular mass of the protein is approximately 56 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

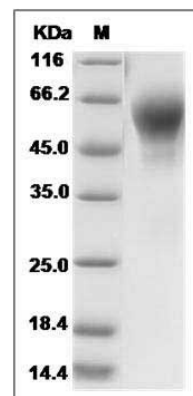
Storage

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



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