

Recombinant Mouse IL-12B Protein

Catalog No.: RP01661 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16160	P43432

Tags

C-6his

Synonyms

p40; IL-12b; IL12p40; IL-12p40; IL12B

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Subunit beta of interleukin 12 (also known as natural killer cell stimulatory factor 2, or cytotoxic lymphocyte maturation factor 2, p40) (IL12B) is a subunit of human interleukin 12. IL12B/IL-12B is a cytokine that acts on T and natural killer cells and has a broad array of biological activities.

Basic Information

Description

Recombinant Mouse IL-12B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met23-Ser335) of mouse IL-12B (Accession #NP_001152896.1) fused with and a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse IL12B (Catalog: RP01661) at 5 μg/mL (100 μL/well) can bind Human IL12RB1 with a linear range of 0.001-1.3 ng/mL.

Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

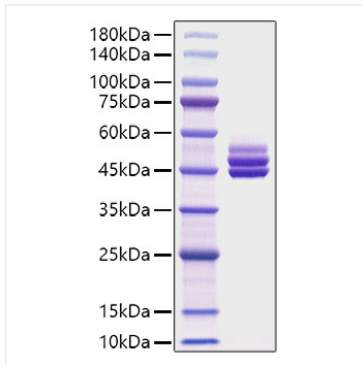
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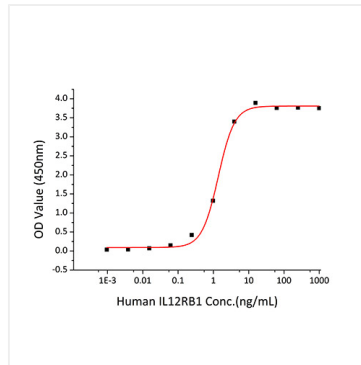
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Validation Data



Recombinant Mouse IL-12B Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 47-51 kDa.



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