

RP02518

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Recombinant Mouse IL-1 alpha Protein

Catalog No.: RP02518

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16175	P01582

Tags

C-His

Synonyms

BAF;Hematopoietin-1;IL1 alpha;IL-1 alpha;IL1;IL1A;IL-1A;IL1-ALPHA;IL1F1;IL-1F1;IL1a

Product Information

Source

E. coli

Purification

> 95% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

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

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Interleukin 1 alpha (IL-1α) also known as hematopoietin 1 is a cytokine of the interleukin 1 family that in humans is encoded by the IL1A gene. IL-1α is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor. It is on the pathway that activates tumor necrosis factor-alpha.

Basic Information

Description

Recombinant Mouse IL-1 alpha Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Mouse IL-1 alpha fused with polyhistidine tag at the C-terminus

Bio-Activity

Measured by its ability to inhibit D10.G4.1 cells proliferation. The ED₅₀ for this effect is <5 pg/mL. The specific activity of recombinant mouse IL-1 alpha is > 2 x 10⁸ IU/mg.

Storage

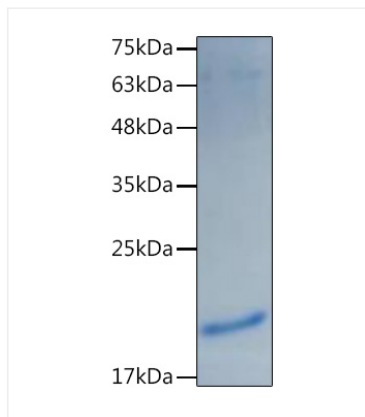
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse IL-1 alpha Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 18 kDa.