

RP01876

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Recombinant Mouse IL-19 Protein

Catalog No.: RP01876 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	329244	Q8CJ70

Tags

C-hFc

Synonyms

Interleukin-19; IL-19 , IL19

Product Information

Source	Purification
	≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

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.

Contact



www.abclonal.com

Background

IL-19 shares 21% amino acid identity with IL-10. The exon/intron structure of IL-19 is similar to that of the human IL-10 gene, comprising five exons and four introns within the coding region of the IL-19 cDNA. IL-19 does not bind or signal through the canonical IL-10 receptor complex. IL-19 functions through a receptor complex composed of IL-20Ra and IL20Rb that is also utilized by IL-20 and IL-24. IL19 has been shown to enhance the production of Th2 cytokines in Tcells and to be elevated in asthma patients. Furthermore, it induces IL-6, IL-8 and IL-10 expression in monocytes. Additionally, it has been implicated in a range of diseases and disorders, including aging, Type-I diabetes, endotoxic shock, periodontal disease, vascular disease and rheumatoid arthritis.

Basic Information

Description

Recombinant Mouse IL19 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ala176) of Mouse IL19 (Accession #NP_001009940.1) fused with a hFc tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

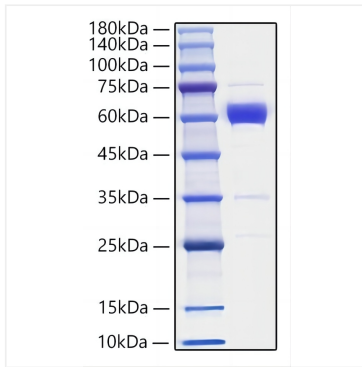
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Mouse IL-19 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.