

Recombinant Mouse IL-19 Protein

Catalog No.: RP01876

Sequence Information

Species **Gene ID**
Mouse 329244

Swiss Prot **Tags**
Q8CJ70 C-hFc

Synonyms
Interleukin-19, IL-19, IL19

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
43.57 kDa 55-65 kDa

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

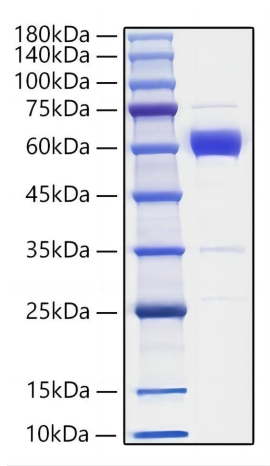
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Validation Data



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