

Mouse IL-6, His Tag, E. coli

Catalog Number	LDG029PME
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 22.7 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in 7TD1 cells. The ED₅₀ for this effect is <0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1x 10⁸ IU/mg.

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

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Background

Interleukin-6 (IL-6) is a pleiotropic, 22-28 kDa cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.

Uniprot ID

#P08505

Synonyms

Interleukin-6, B-cell hybridoma Growth Factors, Interleukin HP-1

Sequence Note

Phe25-Thr211

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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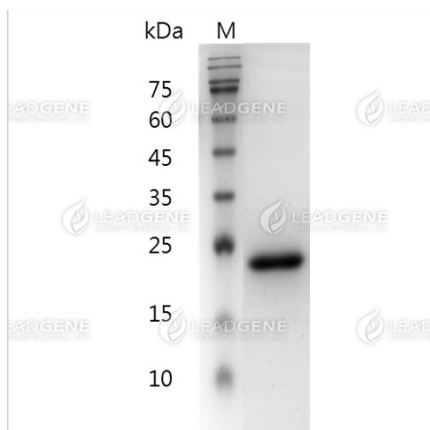
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SDS-PAGE analysis of recombinant mouse IL-6.

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