

IL-6, Mouse, Recombinant

Recombinant Mouse Interleukin-6 (rmIL-6)

Catalog#:	Quantity	Lot#
IL1206-100	100 µg	0607
IL1206-1000	1 mg	0607

Source: Recombinant mouse protein expressed in *E. coli* (189 amino acid residues)
Formulation: Lyophilized powder lyophilized from phosphate-buffered saline (PBS)
Preservative: None.
MW: 22 kD
Purity: >97% on 15% SDS-PAGE.
Sterility: 0.2 µm membrane-filtered and packaged aseptically.
ED50: ND
Endotoxin*: ≤0.1 EU/µg
QC Tests: SDS-PAGE

Reconstitution and Use:

Reconstitute the contents of the vial using sterile phosphate-buffered saline (PBS) to a concentration no less than 100 µg/ml and aliquot for future use. (*If the initial rehydration is too dilute, activity may be lost due to the non-specific adsorption to the container*). The solution can then be further diluted to a working stock solution. If the product is going to be used for applications requiring absolute asepsis, it's best to filter-sterilize the solution using a sterile and non-pyrogenic 0.2 µm membrane before use.

Storage and Stability:

Upon receiving, store the product at -20 °C. After reconstitution, store the working aliquots at 2-8 °C for no more than 3 months. For extended storage, aliquot the rehydrated solution (≥100 µg/ml) and freeze at -70 °C or -20 °C. Avoid repeated freezing and thawing. More dilute solutions stored at -20 °C will lose activity faster.

About Interleukin-6

Interleukin-6 (IL-6) is a pro-inflammatory cytokine that also has an important role in immunity. IL-6 induces growth and terminal differentiation of B cells; secretion of immunoglobulins; differentiation and activation of T cells and macrophages; and the induction of acute-phase response proteins. Many types of cells, including macrophages, T cells, fibroblasts, and endothelial cells, produce IL-6 in response to stimuli such as bacteria, viruses, and other cytokines, particularly IL-1 and tumor necrosis factor, alpha (TNF). Human IL-6 is active on both mouse and rat cells, while mouse IL-6 has no activity on human cells. Recombinant mouse IL-6 is a 22 kDa protein containing 189 amino acid residues

References:

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For research use only, not for use in humans.