

IL-6
Catalog # PVGS1756**Specification**

IL-6 - Product Information

Primary Accession [P26892](#)
Species
Bovine

Sequence
Gly30-Lys208

Purity
≥ 95% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Expression System
<I>P. pastoris</I>

Theoretical Molecular Weight
20.7 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4**

Reconstitution
Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O up to 100 µg/ml

Storage & Stability
Upon receiving, this product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable up to 1 week at 4 °C or up to 3 months at -20 °C or below. Avoid repeated freeze-thaw cycles.

IL-6 - Additional Information

Gene ID 280826

Other Names
Interleukin-6, IL-6, IL6

Target Background
Interleukin-6 (IL-6), also known as BSF-2, CDF and IFNB2, is a pleiotropic cytokine. IL-6 participates in both pro-inflammatory and anti-inflammatory responses. IL-6 is produced mainly by T cells, macrophages and muscle cells. It stimulates B cell differentiation and antibody production, and cell differentiation.

IL-6 - Protein Information

Name IL6

Function

Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway. The interaction with the membrane-bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively, 'cluster signaling' occurs when membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells.

Cellular Location

Secreted {ECO:0000250|UniProtKB:P05231}.

IL-6 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-6 - Images