

IL-3 β
Catalog # PVGS1657**Specification**

IL-3 β - Product InformationPrimary Accession [P97688](#)**Species**

Rat

Sequence

Met26-Cys169

Purity

> 95% as analyzed by SDS-PAGE
> 95% as analyzed by HPLC

Endotoxin Level< 1 EU/ μ g of protein by LAL method**Biological Activity**The ED₅₀ as determined by a cell proliferation assay using murine MC-9 cells is less than 10.0 ng/ml, corresponding to a specific activity of 1.0×10^5 IU/mg.**Expression System**

E. coli

Theoretical Molecular Weight

16.3 kDa

Formulation**Lyophilized from a 0.2 μ m filtered solution in PBS, pH 7.4.****Reconstitution**

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

Storage & Stability

Upon receiving, this product remains stable for up to 6 months at -20°C or -70°C. Upon reconstitution, the product should be stable for up to 1 week at 2-8°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

IL-3 β - Additional Information**Target Background**Interleukin-3 (IL-3) is a type of biological signal (cytokine) which is encoded by the IL-3 gene located on chromosome 5 and produced primarily by activated T cells beside human thymic epithelial cells, activated murine mast cells, murine keratinocytes and neurons/astrocytes. It exerts its biological activities through binding to Interleukin-3 receptors included α and β subunits, but sequence analysis revealed a number of features indicative of the presence of only one β -subunit in the rat. Interleukin-3 acts in hematopoiesis by controlling the production,

differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. Furthermore, rat and human IL-3 share low homology and have not cross species activity.

IL-3 β - Protein Information

IL-3 β - 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-3 β - Images