10320 Camino Santa Fe, Suite G
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# IL-11
**Catalog # PVGS1578**

## Specification

### IL-11 - Product Information

Primary Accession P20809-1

**Species**
Human

**Sequence**
Pro22-Leu199

**Purity**
> 85% as analyzed by SDS-PAGE

**Endotoxin Level**
< 1 EU/ µg of protein by gel clotting method

**Expression System**
CHO

Formulation **Lyophilized from a 0.2 µm filtered solution in PBS.**

**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 dd$H_2O$ or PBS up to 100 µg/ml.

**Storage & Stability**
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

### IL-11 - Additional Information

**Target Background**
Interleukin-11 is a pleiotropic cytokine that was originally detected in the conditioned medium ofan IL-1α-stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 has multiple effects on both hematopoietic and non-hematopoietic cells. Many of the biological effects described for IL-11 overlap with those for IL-6. In vitro, IL-11 can synergize with IL-3, IL-4 and SCF to shorten the G0 period of early hematopoietic progenitors. IL-11 alsoenhances the IL-3-dependent megakaryocyte colony formation. IL-11 has been found to stimulate the T cell-dependent development of specific immunoglobulin-secreting B cells.

### IL-11 - Protein Information

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## IL-11 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## IL-11 - Images