

Animal-Free Recombinant Human IL-11
Catalog # PBG10570**Specification**

Animal-Free Recombinant Human IL-11 - Product Information**Animal-Free Recombinant Human IL-11 - Additional Information****Description**

IL-11 is a multifunctional cytokine produced by stromal cells such as fibroblasts, epithelial cells and osteoclasts. It is expressed in a wide variety of tissues including thymus, lung, bone, connective tissue and central nervous system. IL-11 plays an important regulatory role in hematopoiesis by stimulating growth of myeloid, erythroid and megakaryocyte progenitor cells. It also regulates bone metabolism, inhibits production of proinflammatory cytokines and protects against gastromucosal injury. Recombinant Human IL-11 is a 19.3 kDa protein consisting of 179 amino acid residues.

BiologicalActivity

The ED_{50} was determined by the dose-dependent stimulation of the proliferation of murine T11 cells is ≤ 2.0 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Animal-Free Recombinant Human IL-11 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human 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 Cytometry](#)
- [Cell Culture](#)

Animal-Free Recombinant Human IL-11 - Images