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Recombinant Human IL-11
Catalog # PBG10183

Specification

Recombinant Human IL-11 - Product Information

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 ED₅₀ 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 ≥ 5 x 10⁵ units/mg.

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

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

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

Storage
-20°C

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

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 Cytomety
- Cell Culture

Recombinant Human IL-11 - Images