

**Recombinant Murine IL-11**  
**Catalog # PBG10184****Specification**

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**Recombinant Murine IL-11 - Product Information****Recombinant Murine 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 Murine IL-11 is a 19.1 kDa protein consisting of 179 amino acid residues.

**Biological Activity**

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of murine T11 cells is  $\leq 2.0$  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/  $\mu$ g of protein ( $<1$ EU/  $\mu$ g).

**Protein Content**

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

**Storage**

-20°C

**Precautions**

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

**Recombinant Murine 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](#)

## **Recombinant Murine IL-11 - Images**