

Recombinant Murine IL-7
Catalog # PBG10245**Specification**

Recombinant Murine IL-7 - Product Information**Recombinant Murine IL-7 - Additional Information****Description**

IL-7 is a hematopoietic growth factor which affects primarily early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors such as ConA and IL-2. Human and murine IL-7 is cross-species reactive. Recombinant murine IL-7 is a 15.0 kDa protein containing 130 amino acid residues.

Biological Activity

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is ≤ 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ 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

Recombinant Murine IL-7 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Murine IL-7 - 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-7 - Images