

Recombinant Human IL-9

Catalog # PBG10249

Specification

Recombinant Human IL-9 - Product Information

Recombinant Human IL-9 - Additional Information

Description

IL-9 is an immunoregulatory cytokine produced by IL-2 activated Th2 lymphocytes. IL-9 enhances the proliferation of T lymphocytes, mast cells, erthroid precursor cells and megakaryoblastic leukemia cell lines. Over-expression of IL-9 has been implicated in the pathogenesis of anaplastic lymphoma and Hodgkin's disease. Whereas murine IL-9 can function on human cells, human IL-9 is inactive on M cells. Recombinant human IL-9 is a 14.0 kDa protein of 127 amino acid residues including 10 cysteine residues which are fully conserved between the human murine proteins.

BiologicalActivity

The ED₅₀ as determined by the dose-dependent proliferation of human M07e cells was \le 0.2 ng/ml, corresponding to a specific activity of \ge 5 x 10⁶units/mg.

Authenticity

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

Endotoxin

Endotoxin level is $<0.1 \text{ ng}/\mu\text{g}$ of protein ($<1\text{EU}/\mu\text{g}$).

Protein Content

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

Storage

-20°C

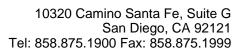
Precautions

Recombinant Human IL-9 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IL-9 - 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-9 - Images