

Recombinant Murine IL-10

Catalog # PBG10181

Specification

Recombinant Murine IL-10 - Product Information

Recombinant Murine IL-10 - Additional Information

Description

IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF α . Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 active on murine cells, but murine IL-10 is inactive on human cells. Recombinant murine IL-10 is an 18.7 kDa protein of 161 amino acid residues.

BiologicalActivity

PeproTech's murine IL-10 is fully biologically active as measured by the dose-dependent co-stimulation (with IL-4) of the proliferation of murine MC/9 cells. The ED₅₀ was found to be < 2 ng/ml, corresponding to a specific activity of > 5×10 ⁵ units/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

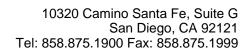
Precautions

Recombinant Murine IL-10 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Murine IL-10 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> Recombinant Murine IL-10 - Images