

Recombinant Murine IL-12

Catalog # PBG10186

Specification

Recombinant Murine IL-12 - Product Information

Recombinant Murine IL-12 - Additional Information

Description

IL-12 is a potent regulator of cell mediated immune responses and it induces IFN-γ production by NK and T cells. It is produced by activated monocytes/macrophage cells, B lymphocytes and connective tissue type mast cells. Among its biological activities IL-12 promotes the growth and activity of activated NK, CD4+ and CD8+ cells and induces the development of IFN-γ producing Th1 cells. Recombinant murine IL-12 is a 75.0 kDa heterodimeric glycoprotein consisting of disulfide-linked 35 kDa (p35) and 40 kDa (p40) subunits (506 total amino acid residues).

BiologicalActivity

Assay #1: The ED₅₀ was determined by the stimulation of IFN-gamma production by murine splenocytes co-stimulated with IL-18 is < 0.1 ng/ml, corresponding to a specific activity of > 1 x 10⁷ units/mg.

Assay #2: Determined by its ability to stimulate the proliferation of 2D6 cells. The expected ED₅₀ is \leq 0.1ng/ml, corresponding to a specific activity of \geq 1 x 10⁷ 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

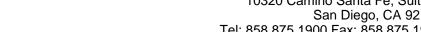
Recombinant Murine IL-12 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Murine IL-12 - 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>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Recombinant Murine IL-12 - Images