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Recombinant Human sIL-4Rα

Catalog # PBG10414

Specification

Recombinant Human sIL-4Rα - Product Information

Recombinant Human sIL-4Rα - Additional Information

Description
IL-4 can signal through type I and type II receptor complexes, which share a common γ chain (γc). The type I receptor contains in addition to the γ chain an IL-4Rα subunit, whereas the type II receptor contains the IL-13Rα. The secreted extracellular domain of IL-4Rα, called sIL-4Rα, binds IL-4 and antagonizes its activity. It plays an important role in regulating the differentiation of naive CD4 T cells and class switching to IgG1 and IgE. Recombinant human sIL-4Rα is a 209 amino acid protein which corresponds to the entire extracellular domain of IL-4Rα.

BiologicalActivity
The ED₅₀ was determined by its ability to inhibit the IL-4 dependent proliferation of human TF-1 cells is ≤ 5.0 ng/ml (in the presence of 0.5 ng/ml of IL-4), corresponding to a specific activity of ≥ 2 x 10⁵ units/mg.

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

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

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

Storage
-20°C

Precautions
Recombinant Human sIL-4Rα is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human sIL-4Rα - 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 sIL-4Rα - Images