

Recombinant Human sIL-4R α
Catalog # PBG10414**Specification**

Recombinant Human sIL-4R α - Product Information**Recombinant Human sIL-4R α - Additional Information****Description**

IL-4 can signal through type I and type II receptor complexes, which share a common γ chain (γ c). The type I receptor contains in addition to the γ chain an IL-4R α subunit, whereas the type II receptor contains the IL-13R α . The secreted extracellular domain of IL-4R α , called sIL-4R α , 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-4R α is a 209 amino acid protein which corresponds to the entire extracellular domain of IL-4R α .

Biological Activity

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 $\geq 2 \times 10^5$ 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 Human sIL-4R α is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human sIL-4R α - 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 Human sIL-4R α - Images