

Human CellExp IL-4 R α , Human recombinant protein
soluble IL-4 receptor alpha, CD124
Catalog # PBV10736r**Specification****Human CellExp IL-4 R α , Human recombinant protein - Product info**

Primary Accession [P24394](#)
Calculated MW ~24 kDa kDa

Human CellExp IL-4 R α , Human recombinant protein - Additional Info

Gene ID	3566
Gene Symbol	IL4RA
Other Names	
soluble IL-4 receptor alpha, CD124	
Gene Source	Human
Source	HEK293 cells
Assay&Purity	SDS-PAGE; $\geq 98\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	GNMKVLQEPT CVSDYMSIST CEWKMNNGPTN CSTELRLLYQ LVFLLSEAHT CIPENNGGAG CVCHLLMDDV VSADNYTLDL WAGQQLLWKG SFKPSEHVKP RAPGNLTVHT NVSDTLTLLTW SNPYPPDNYL YNHLTYAVNI WSENDPADFR IYNVTYLEPS LRIAASLTLS GISYRARVRA WAQCYNTTWS EWSPSTKWHN SYREPFEQH

Target/Specificity
IL-4 R α

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to - 80°C

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 1x PBS pH 7.0.

Human CellExp IL-4 R α , Human recombinant protein - 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](#)

Human CellExp IL-4 R α , Human recombinant protein - Images

Human CellExp IL-4 R α , Human recombinant protein - Background

IL-4 can signal through type I and type II receptor complexes, which share a common gamma chain (γc). The type I receptor contains in addition to the γc 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 naïve 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 .

Human CellExp IL-4 R α , Human recombinant protein - References

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Kruse S., et al. Int. Immunol. 11:1965-1970(1999).
Loftus B.J., et al. Genomics 60:295-308(1999).
Ota T., et al. Nat. Genet. 36:40-45(2004).