10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExp IL-4 Rα, Human recombinant protein
soluble IL-4 receptor alpha, CD124
Catalog # PBV10736r

Specification

Human CellExp IL-4 Rα, Human recombinant protein - Product info

Primary Accession	P24394
Calculated MW	~24 kDa KDa

Human CellExp IL-4 Rα, 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; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	GNMKVLQEPT CVSDYMSIST CEWKMNGPTN CSTELRLLYQ LVFLLSEAHT CIPENNGGAG CVCHLLMDDV VSADNYTLDL WAGQQLLWKG SFKPSEHVKP RAPGNLTVHT NVSDTLLLTW SNPYPPDNYL YNHLTYAVNI WSENDPADFR IYNVTYLEPS LRIAASTLKS GISYRARVRA WAQCYNTTWS EWSPSTKWHN SYREPFEQH

Target/Specificity
IL-4 Rα

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 Rα, 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 Cytomety
- Cell Culture

Human CellExp IL-4 Rα, Human recombinant protein - Images

Human CellExp IL-4 Rα, 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-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 naïve 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.

Human CellExp IL-4 Rα, Human recombinant protein - References

Idzerda R.L.,et al.J. Exp. Med. 171:861-873(1990).
Galizzi J.-P.,et al.Int. Immunol. 2:669-675(1990).
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).