

KB474

For research use only

Anti Human IL4R Polyclonal Antibody

Code No. KB474
Target IL4R
Category Immunology
Gene ID 3566
Primary Source HGNC:6015
Synonyms CD124; IL4RA; IL4R

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human IL4R

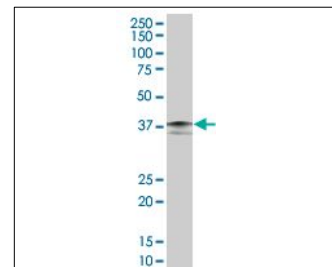
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 1 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

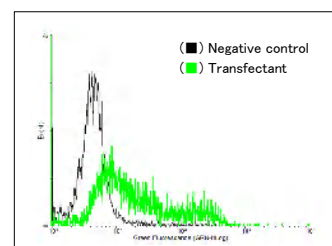
Application WB, FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)



[WB] IL4R transfected 293T cell lysate



[FCM] IL4R expressing 293 cells

Reference

1. Idzerda R.L., et al. "Human interleukin 4 receptor confers biological responsiveness and defines a novel receptor superfamily." J. Exp. Med. 171:861-873(1990)
2. Galizzi J.-P., et al. "Molecular cloning of a cDNA encoding the human interleukin 4 receptor." Int. Immunol. 2:669-675(1990)
3. Kruse S., et al. "Characterization of the membrane-bound and a soluble form of human IL-4 receptor alpha produced by alternative splicing." Int. Immunol. 11:1965-1970(1999)

UniPlot Summary

//Function: Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2. Soluble IL4R (sIL4R) inhibits IL4-mediated cell proliferation and IL5 up-regulation by T-cells. //Subcellular location: Cell membrane; Single-pass type I membrane protein.

//Tissue specificity: Both isoform 1 and isoform 2 are highly expressed in activated T-cells.

//Sequence similarities: Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 1 fibronectin type-III domain.