



## Anti-IL4R (aa 26-135) polyclonal antibody (DPAB-DC1698)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitus, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.
<b>Immunogen</b>	IL4R (NP_000409, 26 a.a. ~ 135 a.a) partial recombinant protein with GST tag. The sequence is  MKVLQEPTCVSDYMSISTCEWMNGPTNCSTELRLLYQLVFLSEAHTCIPENNGGAGCV CHLLMDDVVSADNYTLDLWAGQQLLWKGSKPSEHVVKPRAPGNLTVHTNV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">IL4R interleukin 4 receptor [ Homo sapiens (human) ]</a>
Official Symbol	IL4R
Synonyms	IL4R; interleukin 4 receptor; CD124; IL4RA; IL-4RA; interleukin-4 receptor subunit alpha; IL4R nirs variant 1; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain;
Entrez Gene ID	<a href="#">3566</a>
Protein Refseq	<a href="#">NP_000409</a>
UniProt ID	<a href="#">P24394</a>
Chromosome Location	16p12.1-p11.2
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; IL-4 signaling Pathway; Inflammatory Response Pathway
Function	insulin receptor substrate binding; interleukin-4 receptor activity; protein binding; receptor signaling protein activity