



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

Antigen Description	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, sinusitis, 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.
Immunogen	IL4R (NP_000409, 26 a.a. ~ 135 a.a) partial recombinant protein with GST tag. The sequence is MKVLQEPTCVSDYMSISTCEWKMNGPTNCSTELRLLYQLVFLLSEAHTCIPENNGGAGCV CHLLMDDVVSADNYTLDLWAGQQLLWKGSFKPSEHVKPRAPGNLTVHTNV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	IL4R interleukin 4 receptor [Homo sapiens (human)]
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	3566
Protein Refseq	NP_000409
UniProt ID	P24394
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