

IL-4R Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04504
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-4Ralpha. AA range:205-254
Mol wt	89658
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	IL-4Ralpha Antibody
Synonyms	IL4R; IL4RA; 582J2.1; Interleukin-4 receptor subunit alpha; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; CD antigen CD124

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

IL4R 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. Interleukin-4 receptor subunit alpha 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.

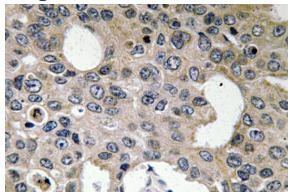
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of IL-4R α antibody in paraffin-embedded human breast carcinoma tissue.

Storage

-20°C for one year