

IL-4R Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04506
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-4R/CD124. AA range:463-512
Mol wt	89658
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IF, 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

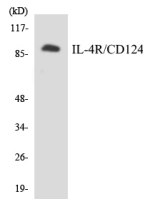
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

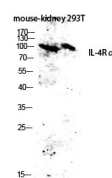
ELISA: 1: 20000

Not yet tested in other applications.

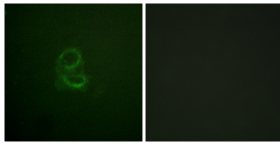
Images



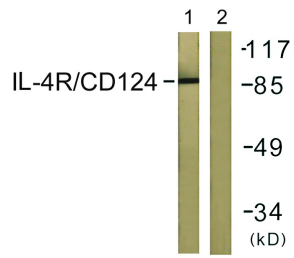
Western blot analysis of the lysates from HUVEC cells using IL-4R/CD124 antibody.



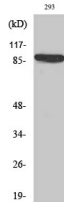
Western blot analysis of mouse-kidney 293T lysis using IL-4R α antibody. Antibody was diluted at 1:2000



Immunofluorescence analysis of A549 cells, using IL-4R/CD124 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using IL-4R/CD124 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IL-4R α Polyclonal Antibody diluted at 1:2000

Storage

-20°C for one year

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