

IL-5 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04507
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-5. AA range:43-92
Mol wt	15238
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	IL-5 Antibody
Synonyms	IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF

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

Background

IL5 encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. Interleukin-5 plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2. This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.

Recommended Dilution

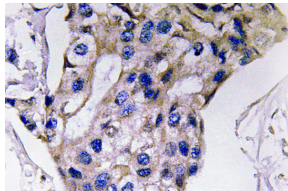
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

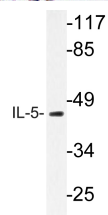
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of IL-5 antibody in paraffin-embedded human breast carcinoma tissue.



Western blot analysis of lysate from HT-29 cells, using IL-5 antibody.



Western Blot analysis of various cells using IL-5 Polyclonal Antibody

Storage

-20°C for one year

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