

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; TRI

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

Background

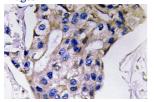
IL5 encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. Interleukin-5 plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent 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

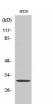


Immunohistochemistry analysis of IL-5 antibody in paraffin-embedded human breast carcinoma tissue.

-117 -85

> -34 -25

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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