

ARG66001 anti-IL5 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

| | |
|---------------------|---|
| Product Description | Biotin-conjugated Rabbit Polyclonal antibody recognizes IL5 |
| Tested Reactivity | Hu |
| Tested Application | ELISA, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | IL5 |
| Species | Human |
| Immunogen | E. coli derived recombinant Human IL5. (MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF KNLSLIKYYI DGQKKKCGEE RRRVNQFLDY LQEFLGVMNT EWIIES) |
| Conjugation | Biotin |
| Alternate Names | Eosinophil differentiation factor; EDF; IL-5; TRF; T-cell replacing factor; B-cell differentiation factor I; Interleukin-5 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|--|
| | ELISA | Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66000 as a capture antibody |
| | WB | 0.1 - 0.2 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purified by affinity chromatography. |
| Buffer | PBS (pH 7.2) |
| Concentration | 1 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformatics

Database links

[GeneID: 3567 Human](#)

[Swiss-port # P05113 Human](#)

Gene Symbol

IL5

Gene Full Name

interleukin 5

Background

This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine 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. [provided by RefSeq, Jul 2013]

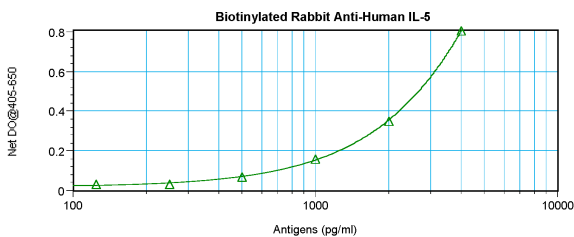
Function

Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells. [UniProt]

Calculated Mw

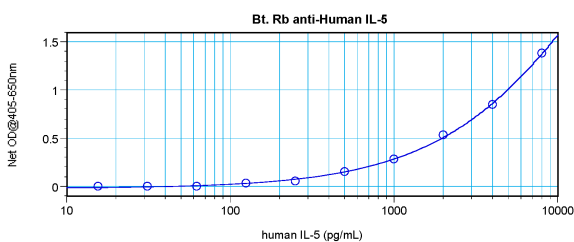
15 kDa

Images



ARG66001 anti-IL5 antibody (Biotin) standard curve image

Direct ELISA: ARG66001 anti-IL5 antibody (Biotin) at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66001 anti-IL5 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66001 anti-IL5 antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ combined with ARG66000 anti-IL5 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.