

ABflo® 647 Rabbit anti-Human IL-5 mAb

Catalog No.: A24234

Basic Information

Observed MW

Calculated MW
15kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC53304

Conjugate
ABflo® 647. Ex:648nm. Em:664nm.

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.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID 3567	Swiss Prot P05113
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Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

EDF; IL-5; TRF; interleukin-5

Contact

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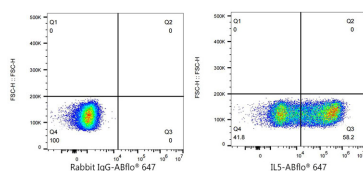
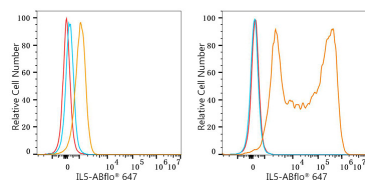
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1×10^6 293T cells(negative control,left) and 293T (Transfection,right) were intracellularly-stained with ABflo® 647 Rabbit anti-Human IL5 mAb(A24234,5 μ l/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 μ l/Test,blue line).Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 293T(Transfection) cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 μ l/Test,left) or ABflo® 647 Rabbit anti-Human IL5 mAb(A24234,5 μ l/Test,right).