

# ABflo® 488 Rabbit anti-Human IL-5 mAb

Catalog No.: A24233

## Basic Information

### Observed MW

**Calculated MW**  
15kDa

**Category**  
Primary antibody

**Applications**  
FC (intra)

**Cross-Reactivity**  
Human

**CloneNo number**  
ARC53304

**Conjugate**  
ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC (intra)** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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.

## Immunogen Information

<b>Gene ID</b> 3567	<b>Swiss Prot</b> 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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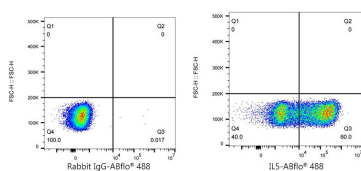
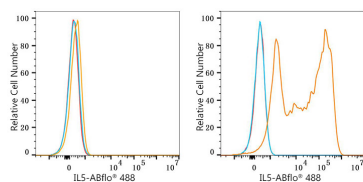
## Product Information

<b>Source</b> Rabbit	<b>Isotype</b> IgG	<b>Purification</b> 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:  $1 \times 10^6$  293T cells(negative control,left) and 293T (Transfection,right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL5 mAb(A24233,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line).Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: $1 \times 10^6$  293T(Transfection) cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human IL5 mAb(A24233,5 µl/Test,right).