

# ABflo® 488 Rabbit anti-Human IL-9 mAb

Catalog No.: A24306

## Basic Information

### Observed MW

### Calculated MW

15kDa

### Category

Primary antibody

### Applications

IF/ICC,FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC62039

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**IF/ICC** 1:50 - 1:200

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

## Background

The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness.

## Immunogen Information

### Gene ID

3578

### Swiss Prot

P15248

### Immunogen

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

### Synonyms

IL9; HP40; IL-9; P40; interleukin-9

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

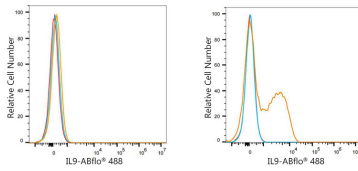
Affinity purification

### Storage

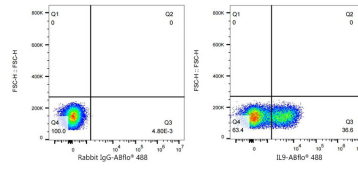
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

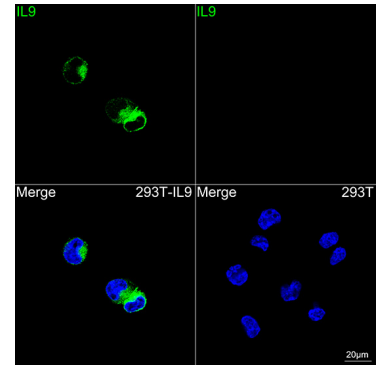
## Validation Data



Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL9 mAb (A24306, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/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  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Human IL9 mAb (A24306, 5  $\mu$ l/Test, right).



Confocal imaging of 293T cells transfected with IL9 using ABflo® 488 Rabbit anti-Human IL9 mAb (A24306, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.