

# IL9 Rabbit mAb

Catalog No.: A24007 **Recombinant**

## Basic Information

**Observed MW**

19kDa

**Calculated MW**

16kDa

**Category**

Primary antibody

**Applications**

WB,FC (intra),ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC62039

## 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.

## Recommended Dilutions

**WB** 1:1000 - 1:4000**FC (intra)** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

3578

**Swiss Prot**

P15248

**Immunogen**

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

**Synonyms**

P40; HP40; IL-9; IL9

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

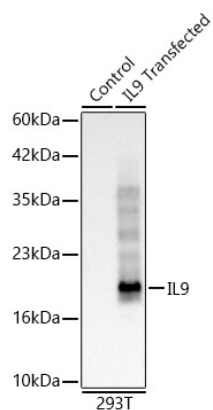
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from 293T(Transfection) and control 293T cells, using IL9 Rabbit mAb (A24007) at 1:1000 dilution.

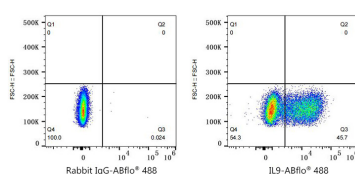
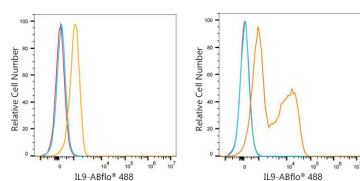
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



1X10<sup>6</sup> 293T cells (negative control,left) and 293T(Transfection, right) cells were intracellularly-stained with IL9 Rabbit mAb(A24007,2µg/mL,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,2µg/mL,blue line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:1X10<sup>6</sup> 293T(Transfection) cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069,2 µg/mL,left) or IL9 Rabbit mAb(A24007,2 µg/mL,right).