

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 fusion protein containing a sequence corresponding to amino acids 19-144 of human IL9(NP_000581.1).

Synonyms

P40; HP40; IL-9; IL9

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

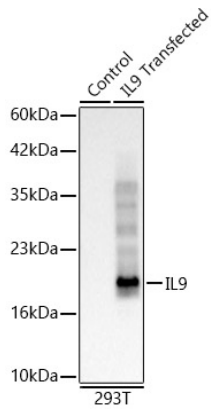
Affinity purification

Storage

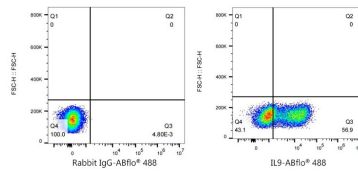
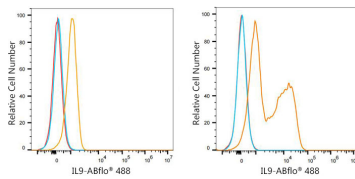
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

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.



1X10⁶ 293T cells (negative control, left) and 293T(Transfection) 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: 1X10⁶ 293T(Transfection) cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 2µg/mL, left) or IL9 Rabbit mAb(A24007, 2µg/mL, right).