

ABflo® 594 Rabbit anti-Human IL9 mAb

Catalog No.: A24307

Basic Information

Observed MW

Calculated MW

15kDa

Category

Primary antibody

Applications

IF/ICC,FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC62039

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

Recommended Dilutions

IF/ICC 1:50 - 1:200

FC (intra) 5 µl per 10⁶ 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

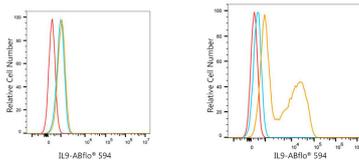
Affinity purification

Storage

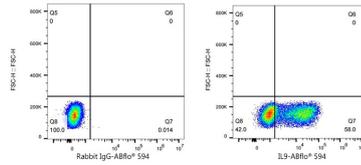
Store at 2-8°C. Avoid freeze.

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

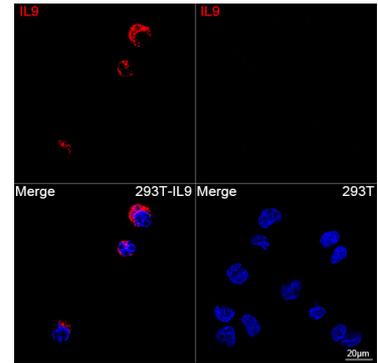
Validation Data



Flow cytometry: 1×10^6 293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 594 Rabbit anti-Human IL9 mAb (A24307, 5 μ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 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® 594 Rabbit IgG isotype control (A23821, 5 μ l/Test, left) or ABflo® 594 Rabbit anti-Human IL9 mAb (A24307, 5 μ l/Test, right).



Confocal imaging of 293T cells transfected with IL9 using ABflo® 594 Rabbit anti-Human IL9 mAb (A24307, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.