

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.

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

IF/ICC 1:50 - 1:200

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

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

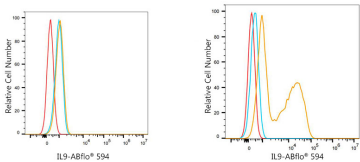
Affinity purification

Storage

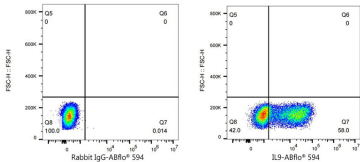
Store at 2-8°C. Avoid freeze.

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

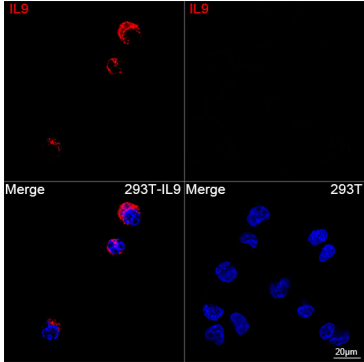
Validation Data



Flow cytometry:1X10⁶ 293T cells (negative control,left) and 293T(Transfection,right) cells were intracellularly-stained with ABflo® 594 Rabbit anti-Human IL9 mAb(A24307,5 µl/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:1X10⁶ 293T(Transfection) cells were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Human IL9 mAb(A24307,5 µl/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.