

ABflo® 488 Rabbit anti-Human IL9 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-ABflo488

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

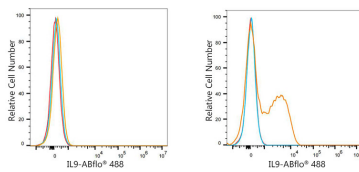
Affinity purification

Storage

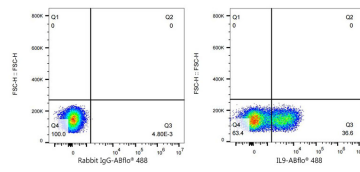
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

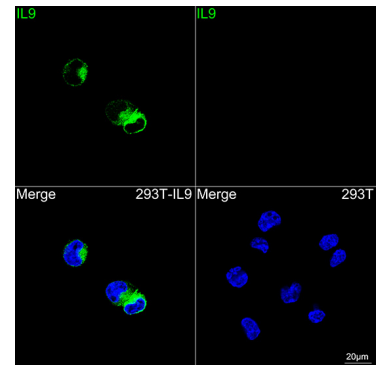
Validation Data



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