

ABflo® 647 Rabbit anti-Human CD124/IL-4R α mAb

Catalog No.: A25407

Basic Information

Observed MW

Calculated MW

26kDa/88kDa/90kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC66266-ABflo647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l volume

Background

This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.

Immunogen Information

Gene ID

3566

Swiss Prot

P24394

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 24-232 of human CD124/IL-4R α (NP_000409.1).

Synonyms

CD124; IL4RA; IL-4RA

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

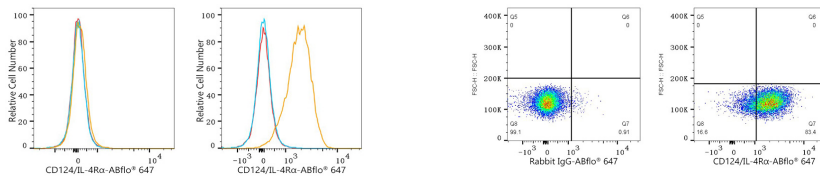
Affinity purification

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 MOLT-4 cells (negative control, left) and Daudi cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human CD124/IL-4R α mAb (A25407, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 Daudi cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human CD124/IL-4R α mAb (A25407, 5 μ l/Test, right).