

# ABflo® 488 Rabbit anti-Mouse CD124/IL-4R $\alpha$ mAb

Catalog No.: A24723

## Basic Information

### Observed MW

### Calculated MW

87kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC64063

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

Predicted to enable cytokine receptor activity. Involved in positive regulation of chemokine production; positive regulation of cold-induced thermogenesis; and positive regulation of macrophage activation. Acts upstream of or within several processes, including defense response to protozoan; negative regulation of T-helper 1 cell differentiation; and positive regulation of immune effector process. Predicted to be located in several cellular components, including centriolar satellite; extracellular space; and nucleoplasm. Predicted to be part of receptor complex. Is expressed in several structures, including adrenal medulla; early conceptus; hemolymphoid system; medulla oblongata basal plate mantle layer; and reproductive system. Used to study asthma. Human ortholog(s) of this gene implicated in several diseases, including acne; allergic conjunctivitis; autoimmune disease (multiple); human immunodeficiency virus infectious disease; and renal tuberculosis. Orthologous to human IL4R (interleukin 4 receptor).

## Immunogen Information

### Gene ID

16190

### Swiss Prot

P16382

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

Il4r; CD124

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

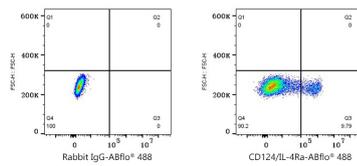
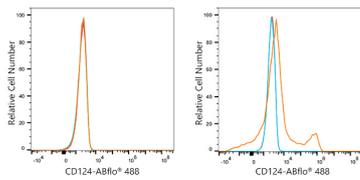
Affinity purification

### 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:  $1 \times 10^6$  293F cells (negative control, left) and 293F (Transfection, right) cells were surface-stained with ABflo® 488 Rabbit anti-Mouse CD124/IL-4Ra mAb (A24723, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  293F (Transfection) cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Mouse CD124/IL-4Ra mAb (A24723, 5  $\mu$ l/Test, right).