

# ABflo® 594 Rabbit anti-Human IL-1β mAb

Catalog NO.: A24245

## Basic Information

### Observed MW

### Calculated MW

30kDa

### Category

Monoclonal Antibodies

### Applications

FC (intra)

### Cross-Reactivity

Human

### Conjugation

ABflo® 594. Ex:588nm. Em:604nm.

### Clone number

ARC53391

## Background

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

## Recommended Dilutions

**FC (intra)** 5 µl per 10<sup>6</sup> cells in 100 µl volume

## Immunogen Information

### Gene ID

3553

### Swiss Prot

P01584

### Immunogen

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

### Synonyms

IL1B; IL-1; IL1-BETA; IL1F2; interleukin-1 beta

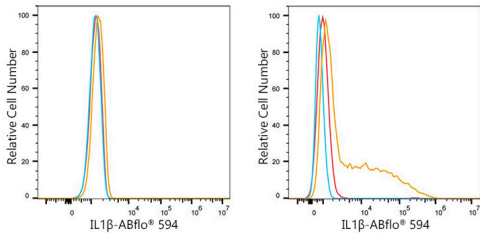
## Contact

## Product Information

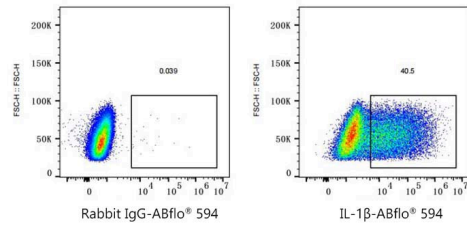
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|                                                                                                                                   |                |                       |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>Source</b>                                                                                                                     | <b>Isotype</b> | <b>Purification</b>   |
| Rabbit                                                                                                                            | IgG            | Affinity purification |
| <b>Storage</b>                                                                                                                    |                |                       |
| 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: 1X10<sup>6</sup> 293T cells(negative control,left) and 293T (Transfection,right) were intracellularly-stained with ABflo® 594 Rabbit anti-Human IL-1β mAb(A24245,5 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:1X10<sup>6</sup> 293T(Transfection) cells were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 μl/Test,left) or ABflo® 594 Rabbit anti-Human IL-1β mAb(A24245,5 μl/Test,right).

