

A24245

Leader in Biomolecular Solutions for Life Science



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

Catalog No.: A24245

Basic Information

Observed MW

Calculated MW

30kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC53391-ABflo594

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

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 10⁶ cells in
 100 µl volume

Immunogen Information

Gene ID

3553

Swiss Prot

P01584

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 117-269 of human IL1β (NP_000567.1).

Synonyms

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

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

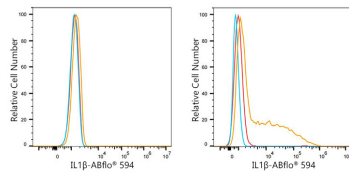
Affinity purification

Storage

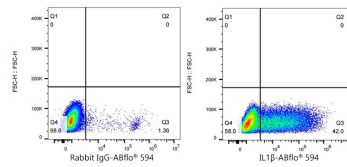
Store at 2-8°C. Avoid freeze.

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) were intracellularly-stained with ABflo® 594 Rabbit anti-Human IL-1 β mAb(A24245,5 μ l/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 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® 594 Rabbit IgG isotype control (A23821,5 μ l/Test,left) or ABflo® 594 Rabbit anti-Human IL-1 β mAb(A24245,5 μ l/Test,right).