

A24959

Leader in Biomolecular Solutions for Life Science



ABflo® 488 Rabbit anti-Human IL8 mAb

Catalog No.: A24959

Basic Information

Observed MW

Calculated MW

11kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC63866-ABflo488

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

Contact



www.abclonal.com

Background

The protein encoded by this gene is a member of the CXC chemokine family and is a major mediator of the inflammatory response. The encoded protein is commonly referred to as interleukin-8 (IL-8). IL-8 is secreted by mononuclear macrophages, neutrophils, eosinophils, T lymphocytes, epithelial cells, and fibroblasts. It functions as a chemotactic factor by guiding the neutrophils to the site of infection. Bacterial and viral products rapidly induce IL-8 expression. IL-8 also participates with other cytokines in the proinflammatory signaling cascade and plays a role in systemic inflammatory response syndrome (SIRS). This gene is believed to play a role in the pathogenesis of the lower respiratory tract infection bronchiolitis, a common respiratory tract disease caused by the respiratory syncytial virus (RSV). The overproduction of this proinflammatory protein is thought to cause the lung inflammation associated with cystic fibrosis. This proinflammatory protein is also suspected of playing a role in coronary artery disease and endothelial dysfunction. This protein is also secreted by tumor cells and promotes tumor migration, invasion, angiogenesis and metastasis. This chemokine is also a potent angiogenic factor. The binding of IL-8 to one of its receptors (IL-8RB/CXCR2) increases the permeability of blood vessels and increasing levels of IL-8 are positively correlated with increased severity of multiple disease outcomes (eg, sepsis). This gene and other members of the CXC chemokine gene family form a gene cluster in a region of chromosome 4q.

Immunogen Information

Gene ID

3576

Swiss Prot

P10145

Immunogen

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

Synonyms

IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1; SCYB8

Product Information

Source

Rabbit

Isotype

IgG

Purification

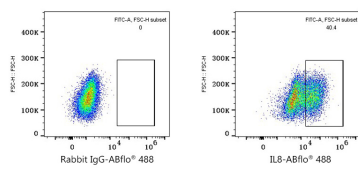
Affinity purification

Storage

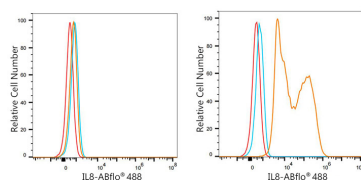
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

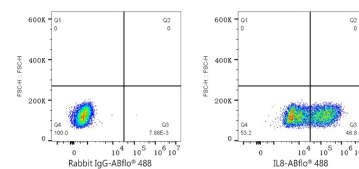
Validation Data



Flow cytometry: 1×10^6 THP-1 cells (untreated, left) and THP-1 cells (treated with 100ng/ml TPA for 24 hours and 5 ug/mL LPS for 7 hours, right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL8 mAb (A24959, 5 μ l/Test).



Flow cytometry: 1×10^6 293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 488 Rabbit anti-Human IL8 mAb (A24959, 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 IL8 mAb (A24959, 5 μ l/Test, right).