

ABflo® 488 Rabbit anti-Human Cytokeratin 18 mAb

Catalog No.: A27943

Basic Information

Observed MW**Calculated MW**

48kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC75640

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

Keratins (also known as cytokeratins) are intermediate filament proteins primarily expressed in epithelial cells. A keratin heterodimer, composed of one acidic keratin (or type I keratin, keratins 9 to 23) and one basic/neutral keratin (or type II keratin, keratins 1 to 8), polymerizes to form filaments. The tissue-specific and differentiation-specific expression patterns of keratin isoforms enable them to serve as valuable biomarkers. Studies have confirmed that mutations in keratin genes are associated with dermatological disorders, liver and pancreatic diseases, and inflammatory bowel diseases.

Recommended Dilutions

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

Immunogen Information

Gene ID

3875

Swiss Prot

P05783

Immunogen

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

Synonyms

K18; CK-18; CYK18

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

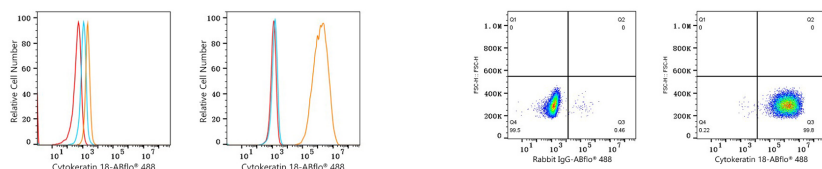
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 HL-60 cells (negative control, left) and MCF7 cells (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human Cytokeratin 18 mAb (A27943, 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 MCF7 cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Human Cytokeratin 18 mAb (A27943, 5 μ l/Test, right).