

ABflo® 647 Rabbit anti-Human Calreticulin mAb

Catalog No.: A27388

Basic Information

Observed MW

Calculated MW

48kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC71596

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Background

Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.

Recommended Dilutions

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

Immunogen Information

Gene ID

811

Swiss Prot

P27797

Immunogen

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

Synonyms

RO; CRT; SSA; cC1qR; HEL-S-99n

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

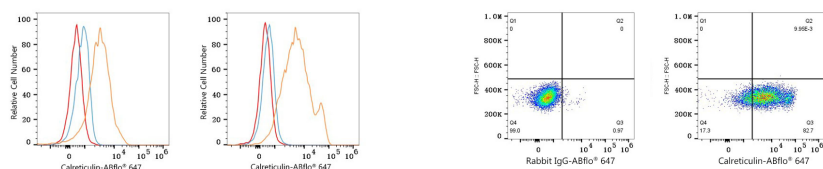
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ knockout (KO) HeLa cells (negative control, left) and HeLa cells (right) were intracellularly-stained with ABflo® 647 Rabbit anti-Human Calreticulin mAb (A27388,5 µl/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ HeLa cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test, left) or ABflo® 647 Rabbit anti-Human Calreticulin mAb (A27388,5 µl/Test, right).