Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rabbit anti-Human Calreticulin mAb

Catalog No.: A27387

Basic Information

Observed MW

Calculated MW
48kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC71596

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

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 10^6 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

400-999-6126

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Product Information

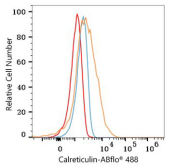
Source
Rabbit

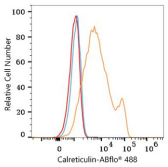
Isotype
IgG

Purification
Affinity purification

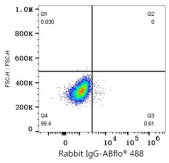
Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

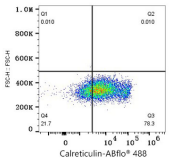
Validation Data





Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human Calreticulin mAb (A27387,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).





Flow cytometry: 1X10^6 HeLa cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human Calreticulin mAb (A27387,5 µl/Test,right).