

ABflo® 594 Rabbit anti-Human/Monkey CD38 mAb

Catalog No.: A25486

Basic Information

Observed MW

Calculated MW

14kDa/34kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

CloneNo number

ARC66216

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants.

Immunogen Information

Gene ID

952

Swiss Prot

P28907

Immunogen

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

Synonyms

ADPRC1; cADPR1; ADPRC 1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

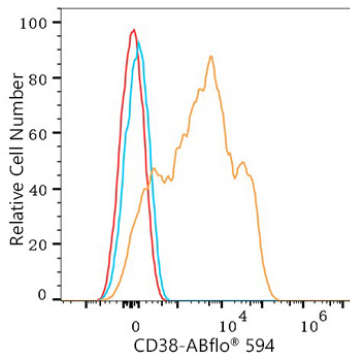
Affinity purification

Storage

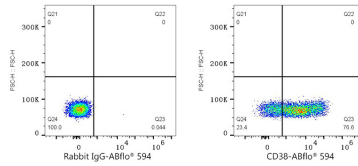
Store at 2-8°C. Avoid freeze.

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

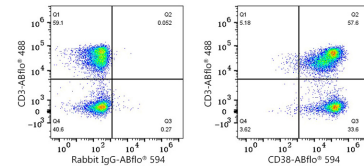
Validation Data



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 594 Rabbit anti-Human CD38 mAb (A25486,5 μ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 μ l/Test, blue line). Non-fluorescently stained Human PBMC were used as blank control (red line).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 μ l/Test, left) or ABflo® 594 Rabbit anti-Human CD38 mAb (A25486,5 μ l/Test, right).



Flow cytometry: 1×10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283,5 μ l/Test) and ABflo® 594 Rabbit IgG isotype control (A23821,5 μ l/Test, left) or ABflo® 594 Rabbit anti-Human/Monkey CD38 mAb (A25486,5 μ l/Test, right). Cells in the lymphocyte gate were used for analysis.