Leader in Biomolecular Solutions for Life Science

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ABflo® 500 Rabbit anti-Human CD38 mAb

Catalog No.: A26942

Basic Information

Observed MW

Calculated MW
13kDa/34kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC5131-01-ABf500

Conjugate
ABflo® 500. Ex:410nm. Em:501nm.

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.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
952

Swiss Prot
P28907

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 43-300 of human CD38 (P28907).

Synonyms
ADPRC1; cADPR1; ADPRC 1

Contact

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Product Information

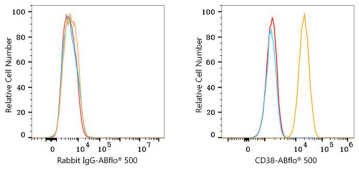
Source
Rabbit

Isotype
IgG

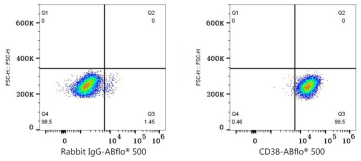
Purification
Affinity purification

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

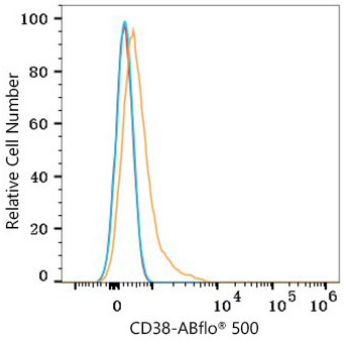
Validation Data



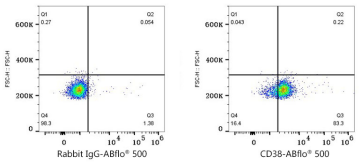
Flow cytometry: 1X10^6 Hep G2 cells (negative control,left) and Daudi cells (right) were surface-stained with ABflo® 500 Rabbit anti-Human CD38 mAb (A26942,5 µl/Test,orange line) or ABflo® 500 Rabbit IgG isotype control (A25972,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Daudi cells were surface-stained with ABflo® 500 Rabbit IgG isotype control (A25972,5 µl/Test,left) or ABflo® 500 Rabbit anti-Human CD38 mAb (A26942,5 µl/Test,right).



Flow cytometry: 1X10^6 Human PBMC cells were surface-stained with ABflo® 500 Rabbit anti-Human CD38 mAb (A26942,5 µl/Test,orange line) or ABflo® 500 Rabbit IgG isotype control (A25972,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the gate were used for analysis.



Flow cytometry: 1X10^6 Human PBMC cells were surface-stained with ABflo® 500 Rabbit IgG isotype control (A25972,5 µl/Test,left) or ABflo® 500 Rabbit anti-Human CD38 mAb (A26942,5 µl/Test,right).