Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rabbit anti-Human CD38 PolymAb®

Catalog No.: A25390PM

Basic Information

Observed MW
Refer to figures

Calculated MW
13kDa/34kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

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

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

Synonyms
CD38; ADPRC 1; ADPRC1; CD38 molecule

Contact

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Product Information

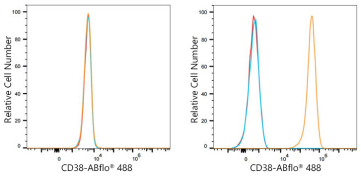
Source
Rabbit

Isotype
IgG

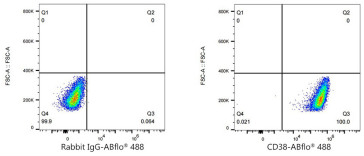
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

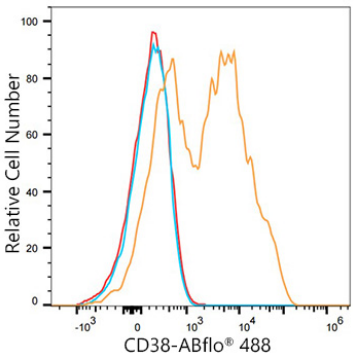
Validation Data



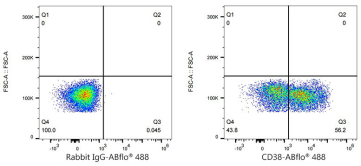
Flow cytometry: 1X10^6 HepG2 cells (negative control,left) and Daudi cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human CD38 polymAb® (A25390PM,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



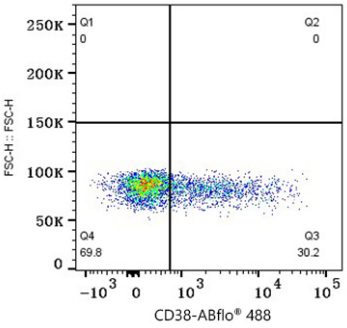
Flow cytometry: 1X10^6 Daudi cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD38 polymAb® (A25390PM,5 µl/Test,right).



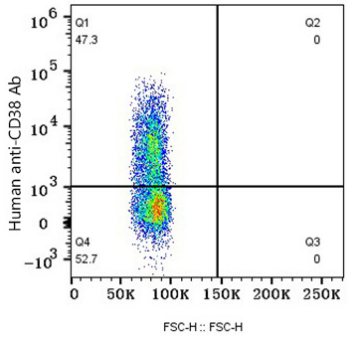
Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 polymAb®(A25390PM,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



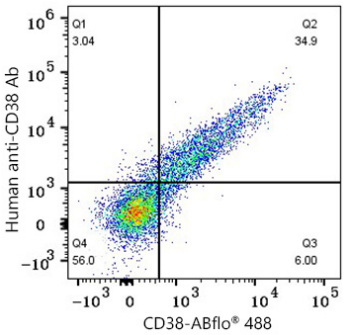
Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD38 polymAb® (A25390PM,5 µl/Test,right).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 polymAb® (A25390PM,5 µl/Test).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with Human anti-CD38 Antibody (2 µg/mL), followed by Alexa Fluor® 647 Goat Anti-Human pAb staining.



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