

ABflo® 488 Rabbit anti-Human/Monkey CD38 PolymAb®

Catalog No.: A25390PM

Basic Information

Observed MW

Refer to figures

Calculated MW

13kDa/34kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

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 μ l per 10^6 cells in
100 μ l volume

Immunogen Information

Gene ID

Hu 952 Cyon 102126394

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

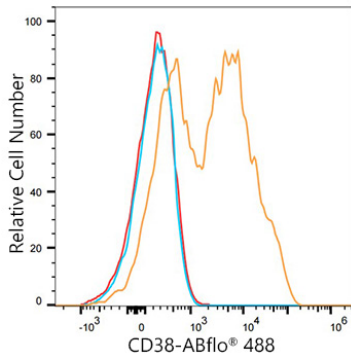
Affinity purification

Storage

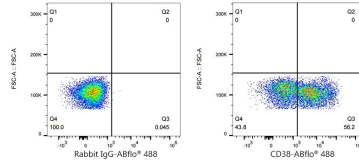
Store at 2-8°C. Avoid freeze.

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

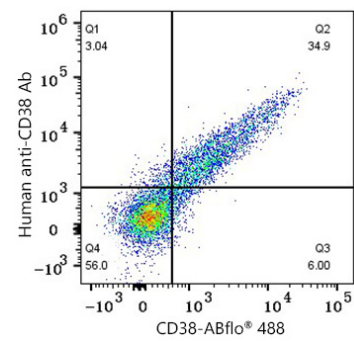
Validation Data



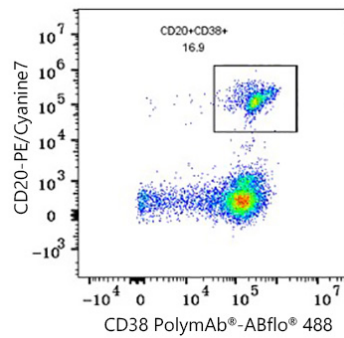
Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 polyclonal antibody (A25390PM, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Human CD38 polyclonal antibody (A25390PM, 5 μ l/Test, right).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 polyclonal antibody (A25390PM, 5 μ l/Test) and Human anti-CD38 Antibody (2 μ g/mL), followed by Alexa Fluor® 647 Goat Anti-Human pAb staining.



Flow cytometry: 1×10^6 Cynomolgus PBMC were surface-stained with PE/Cyanine7 Rabbit anti-Human/Monkey CD20 mAb (A27979, 5 μ l/Test) and ABflo® 488 Rabbit anti-Human/Monkey CD38 Polyclonal antibody (A25390PM, 5 μ l/Test). Cells in the lymphocyte gate were used for analysis.