

ABflo® 488 Rabbit anti-Human/Monkey CD38 mAb

Catalog NO.: A25484

Basic Information

Observed MW

Calculated MW

14kDa/34kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

ABflo® 488. Ex:491nm. Em:516nm.

Clone number

ARC66216

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 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

Hu 952 /Cyno 102126394

Swiss Prot

P28907

Immunogen

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

Synonyms

ADPRC1; cADPR1; ADPRC 1

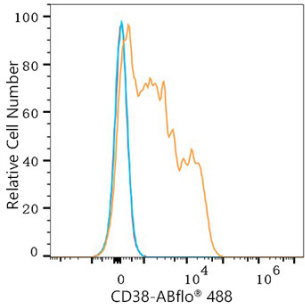
Contact

Product Information

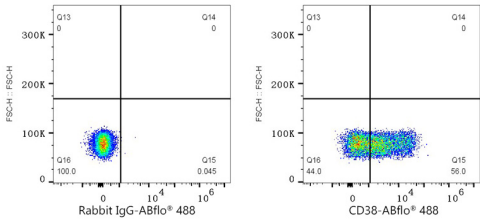
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	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.		

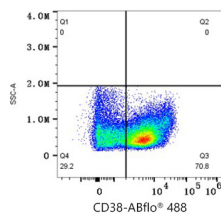
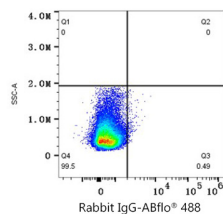
Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained Human PBMC were used as blank control (red line).



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5 µl/Test,right).



Flow cytometry: 1×10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 μ l/Test,left) or ABflo® 488 Rabbit anti-Human/Monkey CD38 mAb (A25484,5 μ l/Test,right). Cells in the lymphocyte gate were used for analysis.