

APC/Cyanine7 Rabbit anti-Human/Monkey CD38 PolymAb®

Catalog NO.: A28063PM

Basic Information

Observed MW

Calculated MW

34kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

APC-Cy7. Ex:651nm. Em:779nm.

Clone number

ARC66212_ARC66216_ARC66218_ARC5131-01

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

This information is considered to be commercially sensitive.

Synonyms

ADPRC1; cADPR1; ADPRC 1

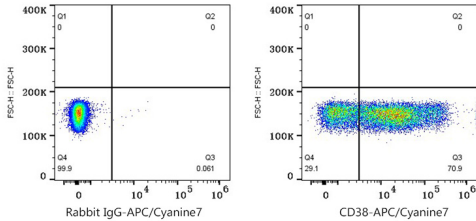
Contact

Product Information

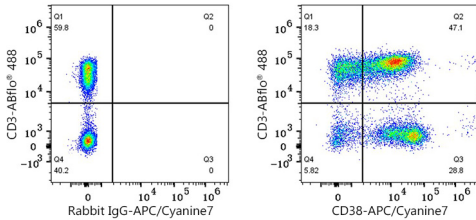
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10^6 Human PBMC were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5 μl/Test,left) or APC/Cyanine7 Rabbit anti-Human CD38 polymAb® (A28063PM,5 μl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with Abflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283,5 μl/Test) and APC/Cyanine7 Rabbit IgG isotype control (5 μl/Test,left) or APC/Cyanine7 Rabbit anti-Human/Monkey CD38 PolymAb® (A28063PM,5 μl/Test,right). Cells in the lymphocyte gate were used for analysis.

