

APC Rabbit anti-Human/Monkey CD38 PolymAb®

Catalog NO.: A27801PM

Basic Information

Observed MW

Calculated MW

34kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

APC. Ex:650nm. Em:660nm.

Clone number

ARC66216_ARC5131-01_ARC66218_ARC66212

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

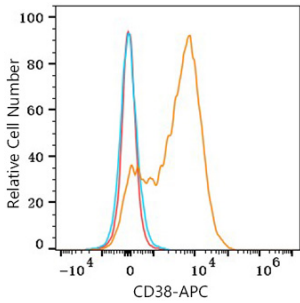
Contact

Product Information

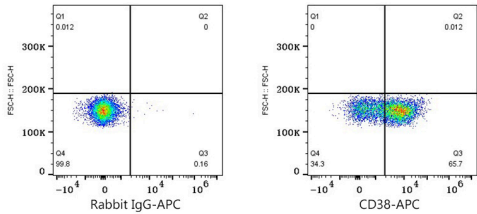
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

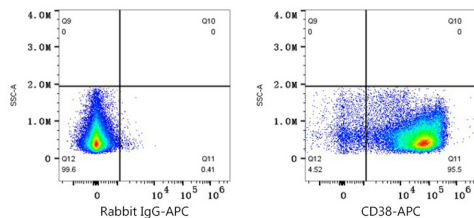
Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with APC Rabbit anti-Human CD38 polymAb[®] (A27801PM,5 µl/Test,orange line) or APC Rabbit IgG isotype control (A24173,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human CD38 polymAb[®] (A27801PM,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10⁶ Cynomolgus peripheral blood mononuclear cells were surface-stained with APC Rabbit IgG isotype control (A24173, 5 µl/Test, left) or APC Rabbit anti-Human/Monkey CD38 PolymAb® (A27801PM, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.