

# APC/Cyanine7 Rabbit anti-Human CD38 PolymAb®

Catalog No.: A28063PM

## Basic Information

### Observed MW

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### Conjugate

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

## 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<sup>6</sup> cells in  
100 µl volume

## Immunogen Information

### Gene ID

952

### Swiss Prot

P28907

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

ADPRC1; cADPR1; ADPRC 1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

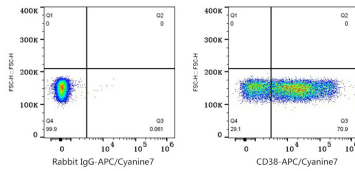
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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