

# PE Rabbit anti-Human/Monkey CD38 mAb

Catalog No.: A29017

## Basic Information

### Observed MW

### Calculated MW

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Cynomolgus

### CloneNo number

ARC66216

### Conjugate

PE. Ex:565nm. Em:574nm.

## 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  $\mu$ l per  $10^6$  cells in  
100  $\mu$ 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

ADPRC1; cADPR1; ADPRC 1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

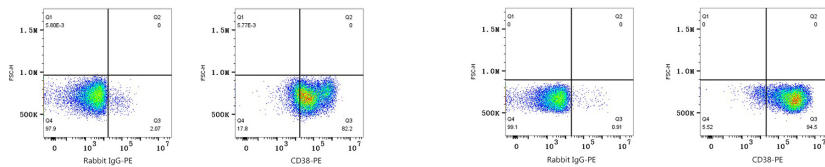
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with PE Rabbit IgG isotype control (A24172,5  $\mu$ l/Test,left) or PE Rabbit anti-Human/Monkey CD38 mAb (A29017,5  $\mu$ l/Test,right). Cells in the lymphocyte gate were used for analysis.

Flow cytometry:  $1 \times 10^6$  Cynomolgus PBMC were surface-stained with PE Rabbit IgG isotype control (A24172,5  $\mu$ l/Test,left) or PE Rabbit anti-Human/Monkey CD38 mAb (A29017,5  $\mu$ l/Test,right). Cells in the lymphocyte gate were used for analysis.