

# APC Rabbit anti-Mouse CD38 mAb

Catalog No.: A27365

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC59835

### Conjugate

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

## Recommended Dilutions

**FC** ≤0.125 µg per million cells in 100 µl volume

## Background

This gene encodes 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. Knockout mice deficient for this gene display altered humoral immune responses. In addition, knockout mice exhibit higher locomotor activity and defects in nurturing and social behaviors.

## Immunogen Information

### Gene ID

12494

### Swiss Prot

P56528

### Immunogen

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

### Synonyms

I-19; ADPRC 1; Cd38-rs1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

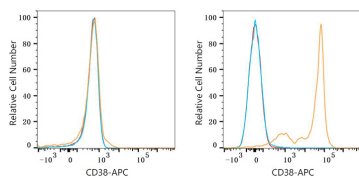
### Storage

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:  $1 \times 10^6$  C2C12 cells (negative control, left) and C57BL/6 mouse splenocytes (right) were surface-stained with APC Rabbit anti-Mouse CD38 mAb (A27365, 0.125  $\mu$ g, orange line) or APC Rabbit IgG isotype control (A24173, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).