

# PE/Cyanine7 Rabbit anti-Mouse CD38 mAb

Catalog No.: A27364

## Basic Information

### Observed MW

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC59835

### Conjugate

PE-Cy7. Ex:565nm. Em:778nm.

## Recommended Dilutions

FC  $\leq 0.125$   $\mu\text{g}$  per million cells in 100  $\mu\text{l}$  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

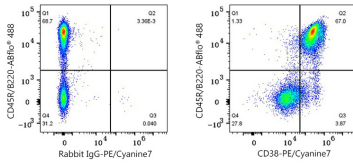
### Storage

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: 1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rat anti-Mouse CD45R/B220 mAb (A27571, 5 µl/Test) and PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test, left) or PE/Cyanine7 Rabbit anti-Mouse CD38 mAb (A27364, 0.125 µg, right).