

# ABflo® 647 Rabbit anti-Human/Monkey CD38 mAb

Catalog No.: A25485

## Basic Information

### Observed MW

### Calculated MW

14kDa/34kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Cynomolgus

### CloneNo number

ARC66216

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## 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

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

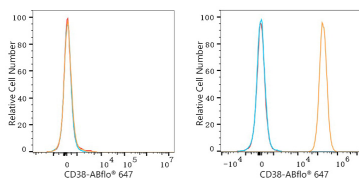
Affinity purification

### Storage

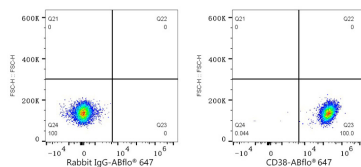
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

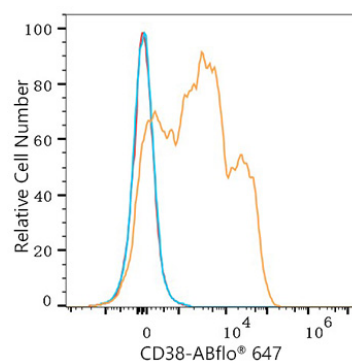
## Validation Data



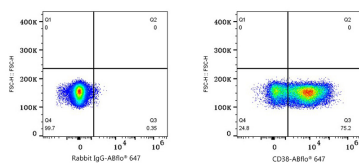
Flow cytometry:  $1 \times 10^6$  Hep G2 cells (negative control, left) and Daudi cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human CD38 mAb (A25485, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



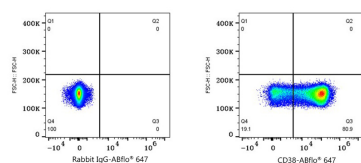
Flow cytometry:  $1 \times 10^6$  Daudi cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human CD38 mAb (A25485, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 647 Rabbit anti-Human CD38 mAb (A25485, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained Human PBMC were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human CD38 mAb (A25485, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Cynomolgus PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human/Monkey CD38 mAb (A25485, 5  $\mu$ l/Test, right). Cells in the lymphocyte gate were used for analysis.