

# ABflo® 488 Rabbit anti-Human CD38 mAb

Catalog No.: A25484

## Basic Information

### Observed MW

### Calculated MW

14kDa/34kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC66216-ABflo488

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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.

## Immunogen Information

### Gene ID

952

### Swiss Prot

P28907

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 43-300 of human CD38 (NP\_001766.2).

### Synonyms

ADPRC1; cADPR1; ADPRC 1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

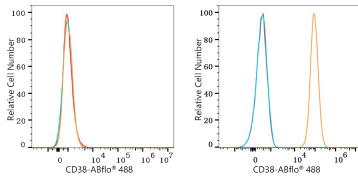
Affinity purification

### Storage

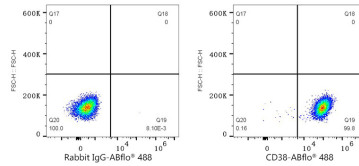
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

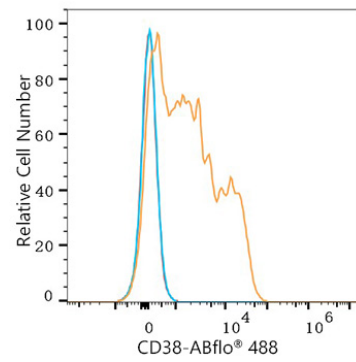
## Validation Data



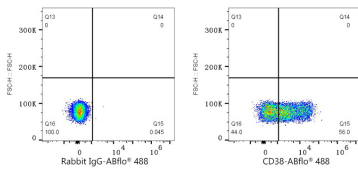
Flow cytometry:  $1 \times 10^6$  Hep G2 cells (negative control, left) and Daudi cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Daudi cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5  $\mu\text{l}/\text{Test}$ , right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu\text{l}/\text{Test}$ , 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® 488 Rabbit IgG isotype control (A22069,5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 488 Rabbit anti-Human CD38 mAb (A25484,5  $\mu\text{l}/\text{Test}$ , right).