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APC/Cyanine7 Rabbit anti-Human CD38 mAb

Catalog No.: A26867

Basic Information

Observed MW

Calculated MW
13kDa/34kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC5131-01-APC-Cy7

Conjugate
APC-Cy7. Ex:651nm. Em:779nm.

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 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
952

Swiss Prot
P28907

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 43-300 of human CD38 (P28907).

Synonyms
ADPRC1; cADPR1; ADPRC 1

Contact

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Product Information

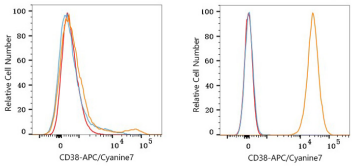
Source
Rabbit

Isotype
IgG

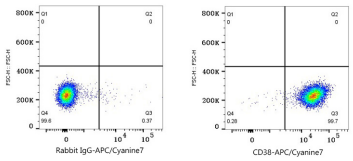
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

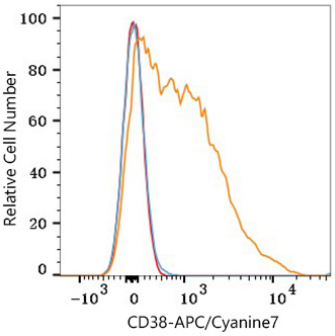
Validation Data



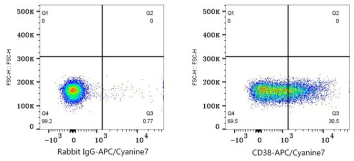
Flow cytometry: 1X10^6 HepG2 cells (negative control,left) and Daudi cells (right) were surface-stained with APC/Cyanine7 Rabbit anti-Human CD38 mAb (A26867,5 µl/Test,orange line) or APC/Cyanine7 Rabbit IgG isotype control (5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Daudi cells were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or APC/Cyanine7 Rabbit anti-Human CD38 mAb (A26867,5 µl/Test,right).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with APC/Cyanine7 Rabbit anti-Human CD38 mAb (A26867,5 µl/Test,orange line) or APC/Cyanine7 Rabbit IgG isotype control (5 µl/Test,blue line).Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Human PBMC cells were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or APC/Cyanine7 Rabbit anti-Human CD38 mAb (A26867,5 µl/Test,right).