

# Anti-Monkey CD38 mAb

Catalog No.: A28751

## Basic Information

### Observed MW

### Calculated MW

14 kDa/34 kDa

### Category

Primary antibody

### Applications

IHC-P

### Cross-Reactivity

Cynomolgus monkey

### CloneNo number

ARC5247-01

## 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

IHC-P 1:500 - 1:2000

## Immunogen Information

### Gene ID

102126394

### Swiss Prot

Q5VAN0

### 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

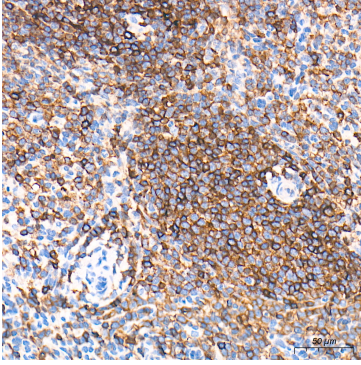
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Cynomolgus monkey spleen tissue using Anti-Monkey CD38 mAb (A28751) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.