



## Mouse Monoclonal Antibody **CD38** conjugated to Sepharose Beads

CatalogNo: **ANT8223-S**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

### **CD38 (ANT0071R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IHC, IF, IP, ELISA

#### Applications

#### MW

- 34kD (Calculated)
- 45kD (Observed)

#### Isotype

- IgG, Kappa

## Recommended Dilution Ratios

### IP

## Basic Information

#### Clonality

Monoclonal

Clone Number      ANT0071R

**Immunogen Information**

Specificity      Endogenous

Gene name      CD38

Protein Name      ADP-ribosyl cyclase 1

Organism	Gene ID	UniProt ID
Human	<a href="#">952;</a>	<a href="#">P28907;</a>
Mouse		<a href="#">P56528;</a>

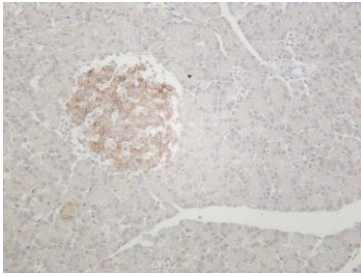
Cellular Localization      Membrane

Tissue specificity      Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.

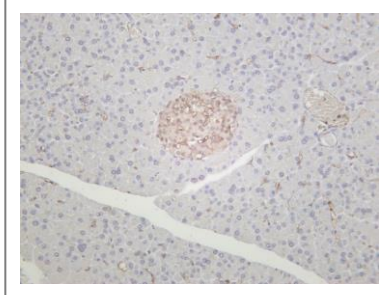
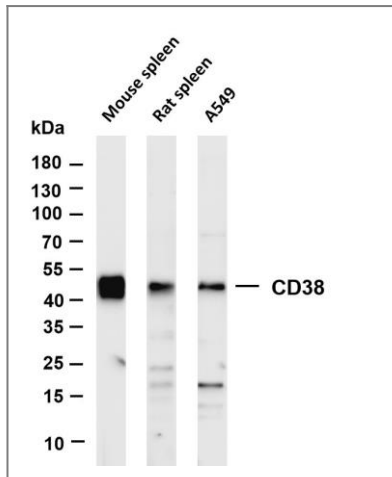
Function      Catalytic activity:NAD(+) + H(2)O = ADP-ribose + nicotinamide.,developmental stage:Preferentially expressed at both early and late stages of the B and T-cell maturation. It is also detected on erythroid and myeloid progenitors in bone marrow, where the level of surface expression was shown to decrease during differentiation of blast-forming unit E to colony-forming unit E.,enzyme regulation:ATP inhibits the hydrolyzing activity.,Function:Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.,online information:CD38 entry,similarity:Belongs to the ADP-ribosyl cyclase family.,tissue specificity:Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.,

## Validation Data

Rat pancreas was stained with anti-CD38 (ANT0071R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD38 (ANT0071R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse spleen Lane 2: Rat spleen Lane 3: A549 Predicted band size: 34kDa Observed band size: 45kDa



Mouse pancreas was stained with anti-CD38 (ANT0071R) rabbit antibody

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