

## Rabbit CD38 Polyclonal Antibody | anti-CD38 antibody

CD38 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA326317 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

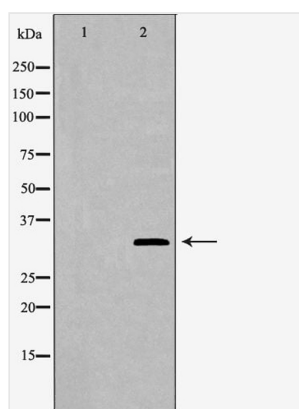
### PRODUCT SYNONYMS

CD38; Polyclonal Antibody; CD38 Antibody; Acute lymphoblastic leukemia cells antigen CD38; ADP ribosyl cyclase 1; ADP ribosyl cyclase; ADP ribosyl cyclase/cyclic ADP-ribose hydrolase; ADP-ribosyl cyclase 1; ADPRC 1; ADPRC1; cADPr hydrolase 1; CD 38; CD38 antigen (p45); CD38 antigen; CD38 molecule; Cd38-rs1; CD38\_HUMAN; CD38H; Cyclic ADP ribose hydrolase; Cyclic ADP ribose hydrolase 1; Cyclic ADP-ribose hydrolase 1; EC 3.2.2.5; Ecto nicotinamide adenine dinucleotide glycohydrolase; I-19; I19 (mouse); Lymphocyte differentiation antigen CD38; NAD(+) nucleosidase; NIM-R5 antigen; NIMR5 antigen (mouse); OTTHUMP00000158633; OTTHUMP00000217743; p45; T10; anti-CD38 antibody

### PRODUCT SPECIFICATIONS

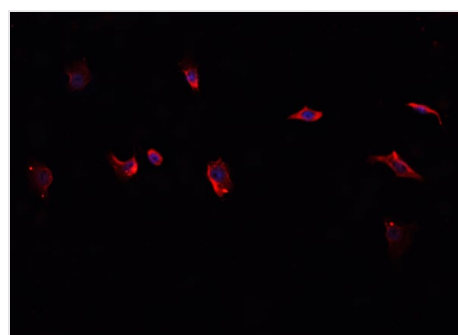
|                                                |                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                         |
| Clonality                                      | Polyclonal                                                                                                |
| Isotype                                        | IgG                                                                                                       |
| Specificity                                    | CD38 antibody detects endogenous levels of total CD38                                                     |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.             |
| Form/Format                                    | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                       |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                    |
| Sequence Length                                | 300                                                                                                       |
| Applicable Applications for anti-CD38 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)  |
| Immunogen                                      | A synthesized peptide derived from human CD38, corresponding to a region within the internal amino acids. |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                         |

### IMAGES



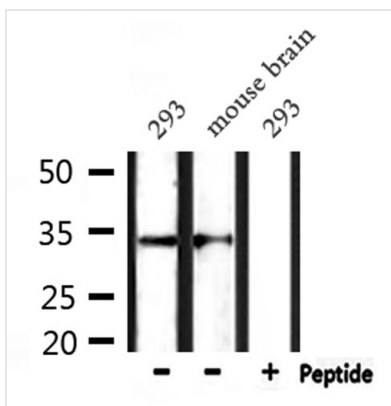
#### WB (Western Blot)

Western blot analysis of extracts of mouse spleen, using CD38 antibody. The lane on the left is treated with the antigen-specific peptide.



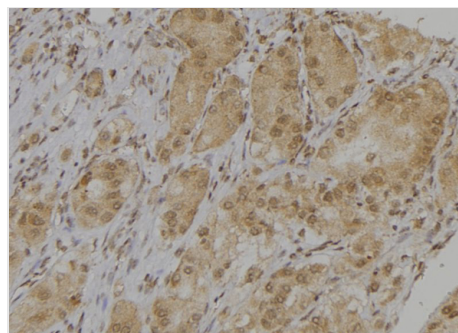
#### IF (Immunofluorescence)

AAA326317 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



#### WB (Western Blot)

Western blot analysis of extracts from 293 and mouse brain, using CD38 Antibody.



#### IHC (Immunohistochemistry)

AAA326317 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-CD38 antibody

CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling.  
Function: Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

Similarity: Belongs to the ADP-ribosyl cyclase family.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 38454326                                          |
| NCBI GeneID                      | 952                                               |
| NCBI Accession #                 | NP_001766.2                                       |
| NCBI GenBank Nucleotide #        | NM_001775.3                                       |
| UniProt Accession #              | P28907; O00121; O00122; Q96HY4                    |
| Molecular Weight                 | 34kDa                                             |
| NCBI Official Full Name          | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 |
| NCBI Official Synonym Full Names | CD38 molecule                                     |
| NCBI Official Symbol             | CD38                                              |
| NCBI Official Synonym Symbols    | ADPRC1; ADPRC 1                                   |
| NCBI Protein Information         | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 |
| UniProt Protein Name             | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 |
| UniProt Gene Name                | CD38                                              |
| UniProt Synonym Gene Names       | ADPRC 1; cADPr hydrolase 1                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd38-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326317>