

For Research Use Only

# CD38 Recombinant antibody

Catalog Number: 85843-1-RR



## Basic Information

|                           |   |                           |              |                        |                        |
|---------------------------|---|---------------------------|--------------|------------------------|------------------------|
| Catalog Number:           | 85843-1-RR                                    | GenBank Accession Number: | NM_007646.5  | Purification Method:   | Protein A purification |
| Size:                     | 100ul, Concentration: 1000 µg/ml by Nanodrop; | GenID (NCBI):             | 12494        | CloneNo.:              | 250107D9               |
| Source:                   | Rabbit  | UNIPROT ID:               | P56528       | Recommended Dilutions: | WB 1:5000-1:50000      |
| Isotype:                  | IgG   | Full Name:                | CD38 antigen |                        |                        |
| Immunogen Catalog Number: | EG2915  | Calculated MW:            | 34 kDa       |                        |                        |
|                           |   | Observed MW:              | 40-45 kDa    |                        |                        |

## Applications

|                      |            |   |
|----------------------|------------|---|
| Tested Applications: | WB, ELISA  | Positive Controls:  |
| Species Specificity: | mouse, rat | WB: mouse spleen tissue, rat spleen tissue, mouse colon tissue, rat colon tissue, mouse thymus tissue |

## Background Information

CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities that catalyze synthesis of cyclic ADP ribose from nicotinamide adenine dinucleotide (NAD) and hydrolysis of cyclic ADP ribose to adenosine diphosphoribose (PMID: 10636863). CD38 is expressed on a variety of hematopoietic and non-hematopoietic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolites, cell activation, and chemotaxis (PMID: 25938500).

## Storage

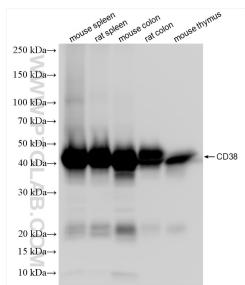
Storage: Store at -20°C. Stable for one year after shipment.  
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85843-1-RR (Cd38 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.