

For Research Use Only

# CD38 Recombinant antibody

Catalog Number: 84689-1-MR



## Basic Information

<b>Catalog Number:</b> 84689-1-MR	<b>GenBank Accession Number:</b> GeneID (NCBI): 100009409	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>UNIPROT ID:</b> Q9MZ03	<b>CloneNo.:</b> 241357C3
<b>Source:</b> Mouse	<b>Full Name:</b> CD38	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rabbit splenocytes cells, rabbit serum
<b>Species Specificity:</b> rabbit	

## 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

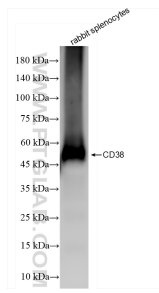
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## Selected Validation Data



rabbit splenocytes were subjected to SDS PAGE followed by western blot with 84689-1-MR (CD38 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.