

For Research Use Only

# Anti-Mouse CD38 (90)

Catalog Number: 65059-1-Ig



## Basic Information

<b>Catalog Number:</b> 65059-1-Ig	<b>GenBank Accession Number:</b> BC046312	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12494	<b>CloneNo.:</b> 90
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P56528	
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> CD38 antigen	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## 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 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

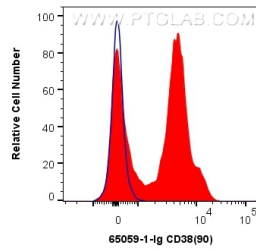
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD38 (65059-1-Ig, Clone:90) and FITC anti-Rat IgG2a Antibody at dilution 1:100 (red), or 0.5 ug Isotype Control. Cells were not fixed.