

For Research Use Only

# Anti-Rabbit CD38 Mouse Recombinant Antibody

Catalog Number: 98306-6-MR



## Basic Information

Catalog Number:	98306-6-MR	GenBank Accession Number:	
Concentration:	1000ug, 1000 $\mu$ g/ml	GeneID (NCBI):	100009409
Source:	Mouse	UNIPROT ID:	Q9MZ03
Isotype:	IgG2a	Full Name:	CD38
Immunogen Catalog Number:	EG2484	Purification Method:	Protein A purification
CloneNo.:	250406C8	Recommended Dilutions:	FC: 0.25 ug per $10^6$ cells in a 100 $\mu$ l suspension

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	rabbit	FC : rabbit splenocytes,

## 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

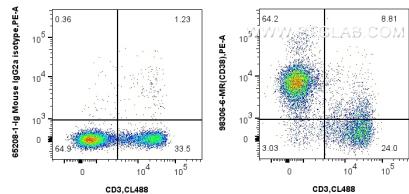
**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:  
T: 4006900926      E: Proteintech-CN@ptglab.com

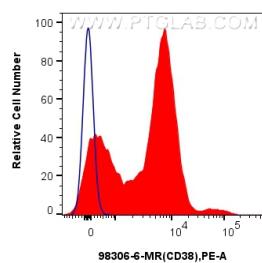
W: ptgcn.com

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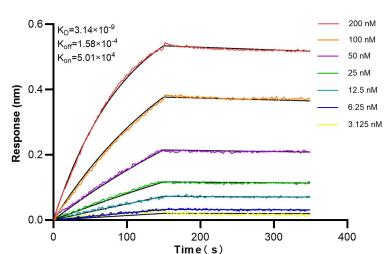
## Selected Validation Data



1x10<sup>6</sup> rabbit splenocytes were surface stained with 0.25 ug Anti-Rabbit CD38 Mouse RecAb (98306-6-MR, Clone: 250406C8) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Nano-Secondary® anti-mouse IgG2a(recombinant VHH). Cells were co-stained with Coralite® Plus 488 Anti-Rabbit CD3. Cells were not fixed.



1x10<sup>6</sup> rabbit splenocytes were surface stained with 0.25 ug Anti-Rabbit CD38 Mouse RecAb (98306-6-MR, Clone: 250406C8) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Nano-Secondary® anti-mouse IgG2a(recombinant VHH). Cells were co-stained with Coralite® Plus 488 Anti-Rabbit CD3. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98306-6-MR against Rabbit CD38 were performed. The affinity constant is 3.14 nM.