

For Research Use Only

# Anti-Rabbit CD38 Mouse Recombinant Antibody

Catalog Number: 98306-6-MR



## Basic Information

Catalog Number:

98306-6-MR

Size:

100ug, 1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

EG2484

GenBank Accession Number:

GeneID (NCBI):

100009409

UNIPROT ID:

Q9MZ03

Full Name:

CD38

Purification Method:

Protein A purification

CloneNo.:

250406C8

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

FC

Species Specificity:

rabbit

Positive Controls:

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

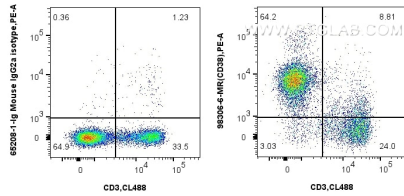
For technical support and original validation data for this product please contact:

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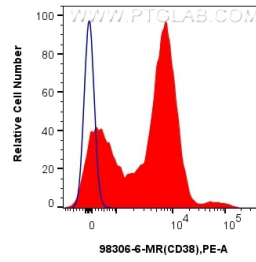
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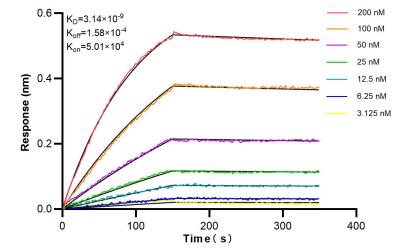
## Selected Validation Data



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.