

For Research Use Only

Anti-Mouse CD38 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98433-3-PBS



Basic Information

Catalog Number: 98433-3-PBS	GenBank Accession Number: NM_007646.5	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 12494	CloneNo.: 250107D11
Source: Rabbit	UNIPROT ID: P56528	
Isotype: IgG	Full Name: CD38 antigen	
Immunogen Catalog Number: EG2915	Calculated MW: 34 kDa	

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

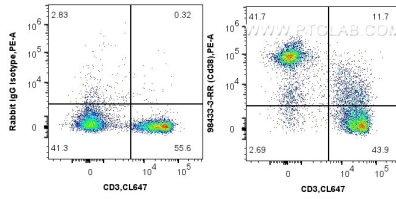
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

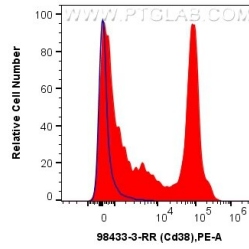
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse Cd38 Rabbit RecAb (98433-3-RR, Clone:250107D11) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD3. Cells were not fixed. This data was developed using the same antibody clone with 98433-3-PBS in a different storage buffer formulation.



1x10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse Cd38 Rabbit RecAb (98433-3-RR, Clone: 250107D11) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98433-3-PBS in a different storage buffer formulation.