

For Research Use Only

PE Anti-Mouse CD38 (90)

Catalog Number: PE-65059



Basic Information

Catalog Number: PE-65059	GenBank Accession Number: BC046312	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 12494	CloneNo.: 90
Source: Rat	UNIPROT ID: P56528	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a, kappa	Full Name: 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

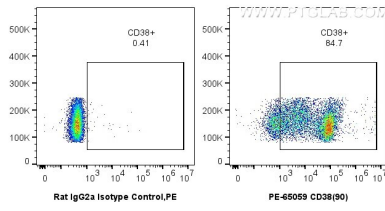
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.2 ug PE Anti-Mouse CD38 (90) (PE-65059, Clone: 90) or PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3). Cells were not fixed.