

APC Anti-Mouse CD38 (90)

Catalog Number: **APC-65059**

Basic Information

Catalog Number:

APC-65059

Size:

100ug, 0.1 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC046312

GeneID (NCBI):

12494

UNIPROT ID:

P56528

Full Name:

CD38 antigen

Purification Method:

Affinity purification

CloneNo.:

90

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

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

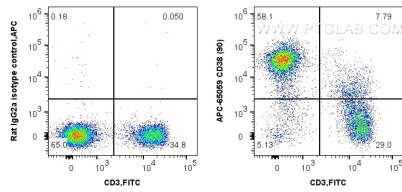
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with FITC Plus Anti-Mouse CD3 (17A2) and 0.2 ug APC Anti-Mouse CD38 (APC-65059, Clone: 90) or 0.2 ug APC Rat IgG2a Isotype Control (2A3). Cells were not fixed.