

For Research Use Only

Anti-Mouse CD38 (90)

Catalog Number: 65059-1-Ig



Basic Information

Catalog Number:

65059-1-Ig

Concentration:

100ug, 0.5 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

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

Mouse

Positive Controls:

FC : mouse 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:

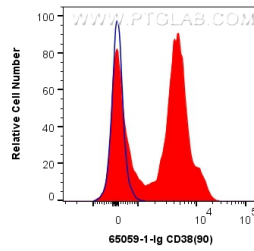
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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD38 (65059-1-Ig, Clone:90) and FITC anti-Rat IgG2a Antibody at dilution 1:100 (red), or 0.5 ug Isotype Control. Cells were not fixed.