

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD38 (90)



Catalog Number: **CL488-65059**

Basic Information

Catalog Number:

CL488-65059

Size:

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

Excitation/Emission maxima wavelengths:

493 nm / 522 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, pH 7.3.

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

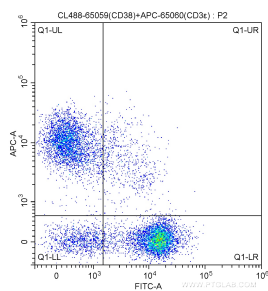
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

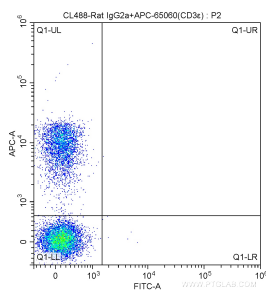
W: ptglab.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and 1 ug CoraLite® Plus 488-conjugated Anti-Mouse CD38 (CL488-65059, Clone: 90). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and CoraLite® Plus 488-conjugated Rat IgG2a isotype control antibody. Cells were not fixed.