

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD38 (90)



Catalog Number: **CL488-65059**

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-65059	BC046312	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
100ug, 0.5 mg/ml	12494	90
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Rat	P56528	493 nm / 522 nm
Isotype:	Full Name:	
IgG2a, kappa	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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

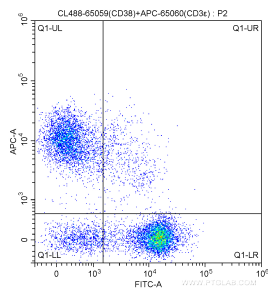
T: 4006900926

E: Proteintech-CN@ptglab.com

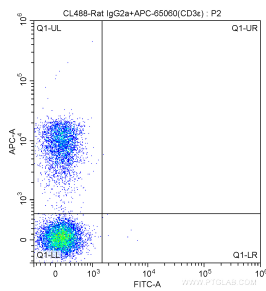
W: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD3 ε (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 CD3 ε (APC-65060, Clone: 145-2C11) and CoraLite® Plus 488-conjugated Rat IgG2a isotype control antibody. Cells were not fixed.