For Research Use Only

CoraLite®594 Anti-Mouse CD38 (90)

Catalog Number:CL594-65059

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL594-65059

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:
588 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

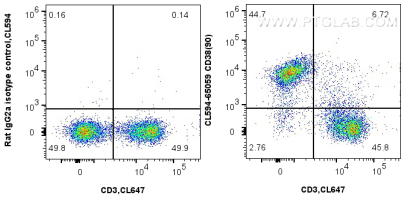
CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme 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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite®594 Anti-Mouse CD38 (CL594-65059, Clone:90) or 0.5 ug CoraLite®594 Rat IgG2a Isotype Control (2A3). Cells were not fixed.