

For Research Use Only

FcZero-rAb™ APC Anti-Human CD38 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98148



Basic Information

Catalog Number:

APC-FcA98148

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0110

GenBank Accession Number:

BC007964

GeneID (NCBI):

952

ENSEMBL Gene ID:

ENSG00000004468

Full Name:

CD38 molecule

Calculated MW:

300 aa, 34 kDa

Purification Method:

Protein A purification

CloneNo.:

241246F9

Excitation/Emission maxima

wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

human

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 0.09% sodium azide and 0.5% BSA, pH7.3

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

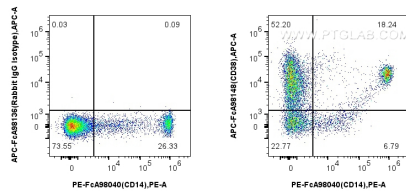
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb™ PE Anti-Human CD14, and 5 ul APC Anti-Human CD38 Rabbit RecAb (APC-FcA98148, Clone: 241246F9) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.