

For Research Use Only

FcZero-rAb™ PE-Cyanine5.5 Anti-Human CD38 Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98148



Basic Information

Catalog Number: PY5P5-FcA98148	GenBank Accession Number: BC007964	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 952	CloneNo.: 241246F9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000004468	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD38 molecule	Excitation/Emission maxima wavelengths: 488 nm, 561 nm / 692 nm
Immunogen Catalog Number: EG0110	Calculated MW: 300 aa, 34 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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:

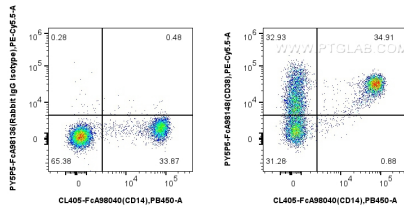
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 CoraLite® Plus 405 Anti-Human CD14, and 5 ul PE-Cyanine5.5 Anti-Human CD38 Rabbit RecAb (PY5P5-FcA98148, Clone: 241246F9) or PE-Cyanine5.5 Rabbit IgG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9). Cells were not fixed.