For Research Use Only

PE Anti-Human CD38 (HB7)

Catalog Number:PE-65107

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
PE-65107

Size:
100tests, 5 μl/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC007964

GeneID (NCBI):
952

ENSEMBL Gene ID:
ENSG00000004468

UNIPROT ID:
P28907

Full Name:
CD38 molecule

Calculated MW:
300 aa, 34 kDa

Purification Method:
Affinity purification

CloneNo.:
HB7

Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 578 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

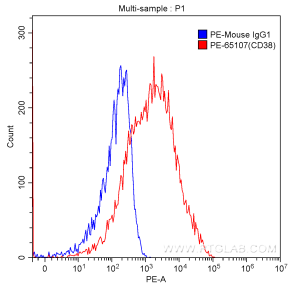
CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme 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:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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 human peripheral blood lymphocytes were surface stained with 5.00 ul/test PE Anti-Human CD38 (PE-65107, Clone:HB7) (red) or isotype control antibody (blue). Cells were not fixed.