

For Research Use Only

CoraLite®647-conjugated CD38 Mouse McAb



Catalog Number:CL647-65111

Basic Information

Catalog Number:

CL647-65111

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

Mouse IgG1, kappa

GenBank Accession Number:

BC007964

GeneID (NCBI):

952

Full Name:

CD38 molecule

Calculated MW:

300 aa, 34 kDa

Purification Method:

Affinity purification

CloneNo.:

HIT2

Excitation/Emission maxima
wavelengths:

650 nm/665 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.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

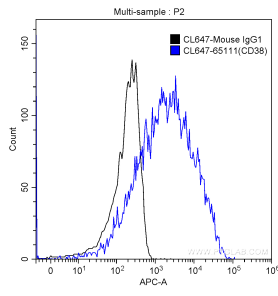
For technical support and original validation data for this product please contact:

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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 peripheral blood lymphocytes were surface stained with 5 ul CoraLite®647-conjugated Anti-Human CD38 (CL647-65111, Clone: HIT2) (blue) or isotype control antibody (black). Samples were not fixed.