

For Research Use Only

# PE Anti-human CD38 (HIT2)

Catalog Number: PE-65111



## Basic Information

**Catalog Number:**

PE-65111

**Size:**

100 tests, Concentration: 5  $\mu$ l (0.5  $\mu$ g)/test by Bradford method using BSA as the standard;

**Source:**

Mouse

**Isotype:**

IgG1

**GenBank Accession Number:**

BC007964

**GeneID (NCBI):**

952

**Full Name:**

CD38 molecule

**Calculated MW:**

300 aa, 34 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

HIT2

## 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:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

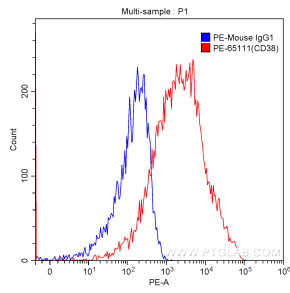
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5.00 ul/test PE-anti-human CD38 (PE-65111, clone: HIT2) (red) or 0.50 ug PE-mouse IgG1 isotype control (blue). Samples were not fixed.