

For Research Use Only

CD38 Recombinant antibody

Catalog Number: 84689-1-MR



Basic Information

Catalog Number:

84689-1-MR

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

100009409

UNIPROT ID:

Q9MZ03

Full Name:

CD38

Observed MW:

45-50 kDa

Purification Method:

Protein A purification

CloneNo.:

241357C3

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

rabbit

Positive Controls:

WB : rabbit splenocytes cells, rabbit serum

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

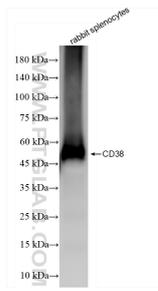
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



rabbit splenocytes were subjected to SDS PAGE followed by western blot with 84689-1-MR (CD38 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.