

For Research Use Only

# CoraLite® Plus 488-conjugated CD38 Recombinant antibody

Catalog Number:CL488-84070-2



## Basic Information

Catalog Number:  
CL488-84070-2

Size:  
1000 µg/ml

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
BC007964

GeneID (NCBI):  
952

ENSEMBL Gene ID:  
ENSG00000004468

UNIPROT ID:  
P28907

Full Name:  
CD38 molecule

Calculated MW:  
300 aa, 34 kDa

Observed MW:  
42 kDa

Purification Method:  
Protein A purification

CloneNo.:  
241246B1

Recommended Dilutions:  
IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:  
493 nm / 522 nm

## Applications

Tested Applications:  
IF/ICC

Species Specificity:  
human

Positive Controls:

IF/ICC : Raji cells,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

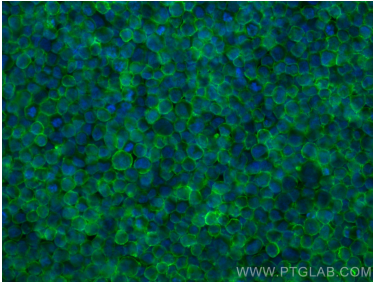
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 488 CD38 antibody (CL488-84070-2, Clone: 241246B1) at dilution of 1:200.