For Research Use Only

CoraLite® Plus 488-conjugated CD38 Recombinant monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number: CL488-84070-6

Basic Information

Catalog Number: GenBank Accession Number:

CL488-84070-6 BC007964
Size: GeneID (NCBI):

100ul , Concentration: 1000 ug/ml by952Nanodrop;ENSEMBL Gene ID:Source:ENSG00000004468RabbitUNIPROT ID:

Isotype: P28907
IgG Full Name:
Immunogen Catalog Number: CD38 molecule
EG0110 Calculated MW:
300 aa. 34 kDa

300 aa, 34 kDa Observed MW: 45 kDa Purification Method:

Protein A purification

CloneNo.: 241246D5

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: 2519135). 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:

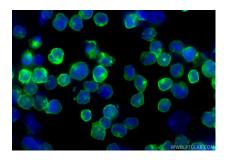
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 488 CD38 antibody (CL488-84070-6, Clone: 241246D5) at dilution of 1:200.