

For Research Use Only

CoraLite® Plus 488-conjugated CD38 Monoclonal antibody



Catalog Number: CL488-60006

Featured Product

Basic Information

Catalog Number: CL488-60006	GenBank Accession Number: BC007964	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 952	CloneNo.: 3C6G4
Source: Mouse	ENSEMBL Gene ID: ENSG00000004468	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	UNIPROT ID: P28907	
Immunogen Catalog Number: AG0487	Full Name: CD38 molecule	
	Calculated MW: 300 aa, 34 kDa	

Applications

Tested Applications:
Species Specificity:
human, mouse

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data