

For Research Use Only

CD38 Recombinant antibody, PBS Only

Catalog Number: 84070-5-PBS



Basic Information

Catalog Number:	84070-5-PBS	GenBank Accession Number:	BC007964	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	952	CloneNo.:	241246C2
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000004468		
Isotype:	IgG	UNIPROT ID:	P28907		
		Full Name:	CD38 molecule		
		Calculated MW:	300 aa, 34 kDa		
		Observed MW:	40 kDa		

Applications

Tested Applications:
WB, Indirect ELISA
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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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

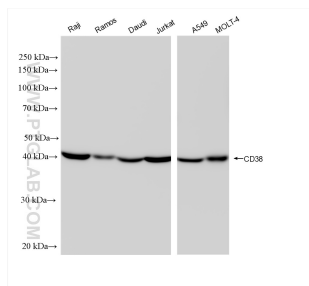
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84070-5-RR (CD38 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84070-5-PBS in a different storage buffer formulation.