

For Research Use Only

CD38 Recombinant antibody

Catalog Number: 85843-1-RR



Basic Information

Catalog Number:	85843-1-RR	GenBank Accession Number:	NM_007646.5	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	12494	CloneNo.:	250107D9
Source:	Rabbit	UNIPROT ID:	P56528	Recommended Dilutions:	WB 1:5000-1:50000
Isotype:	IgG	Full Name:	CD38 antigen		
Immunogen Catalog Number:	EG2915	Calculated MW:	34 kDa		
		Observed MW:	40-45 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB : mouse spleen tissue, rat spleen tissue, mouse colon tissue, rat colon tissue, mouse thymus tissue
Species Specificity:	mouse, rat		

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

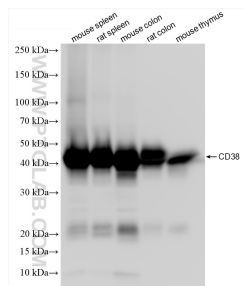
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85843-1-RR (Cd38 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.