

For Research Use Only

CD38 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84070-3-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
84070-3-PBS	BC007964	Protein A purification
Concentration:	GeneID (NCBI):	CloneNo.:
1 mg/ml	952	241246E3
Source:	ENSEMBL Gene ID:	
Rabbit	ENSG00000004468	
Isotype:	UNIPROT ID:	
IgG	P28907	
	Full Name:	
	CD38 molecule	
	Calculated MW:	
	300 aa, 34 kDa	

Applications

Tested Applications:
IHC, Cytometric bead array, 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:

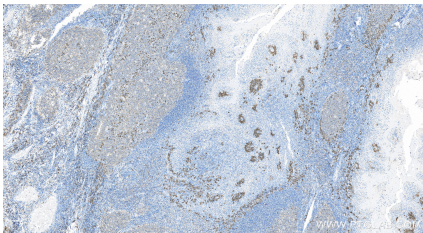
T: 4006900926

E: Proteintech-CN@ptglab.com

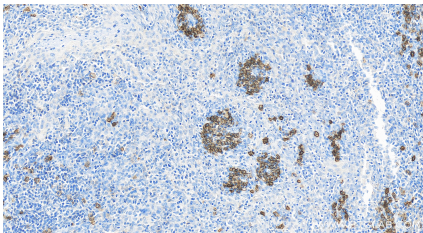
W: ptgcn.com

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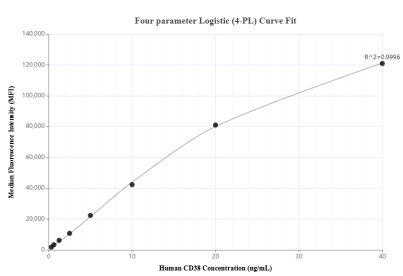
Selected Validation Data



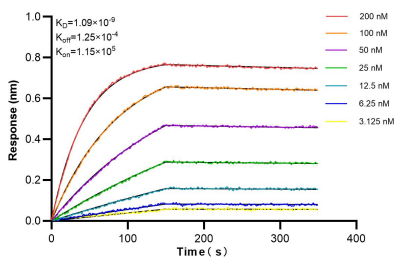
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84070-3-RR (CD38 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84070-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84070-3-RR (CD38 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84070-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00991-3, CD38 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84070-3-PBS. Detection antibody: 84070-2-PBS. Standard: Eg0110. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84070-3-RR against Human CD38 were performed. The affinity constant is 1.09 nM.