Mouse CD38 Recombinant antibody, PBS Only

Catalog Number:85843-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number: 85843-1-PBS	**GenBank Accession Number:** NM_007646.5	**Purification Method:** Protein A purification
Concentration: 1 mg/ml	**GeneID (NCBI):** 12494	**CloneNo.:** 250107D9
Source: Rabbit	**UNIPROT ID:** P56528	
Isotype: IgG	**Full Name:** CD38 antigen	
Immunogen Catalog Number: EG2915	**Calculated MW:** 34 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

Selected Validation Data
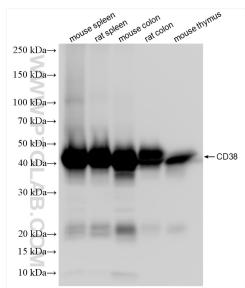
Various lysates were subjected to SDS PAGE followed by western blot with 85843-1-RR (Cd38 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85843-1-PBS in a different storage buffer formulation.