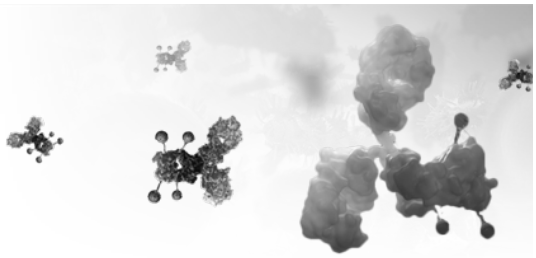

Anti-CD38 monoclonal antibody, clone 90 [R-PE] (CABT-46016RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD38 antibody, clone 90 recognizes the murine CD38 cell surface antigen, a ~42-46kDa glycoprotein expressed by B lymphocytes, a proportion of peripheral T lymphocytes and by peritoneal macrophages. In the mouse CD38 is expressed by follicular B cells, is down regulated on germinal centre B cells, and not expressed by mature plasma cells. This pattern of expression contrasts strikingly with that seen in the human. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Specificity	CD38
Immunogen	Mouse pre-B cells derived from IL-7 dependent bone marrow cultures.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	90
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is

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photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd38 CD38 antigen [Mus musculus (house mouse)]
Official Symbol	CD38
Synonyms	CD38; CD38 antigen; ADPRC 1; Cd38-rs1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; I-19; NIM-R5 antigen; cADPr hydrolase 1; ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase 1; 2-phospho-ADP-ribosyl cyclase; 2-phospho-cyclic-ADP-ribose transferase
Entrez Gene ID	12494
Protein Refseq	NP_031672
UniProt ID	P56528
Chromosome Location	5 B3; 5 23.85 cM
Pathway	Calcium signaling pathway; Epstein-Barr virus infection; Hematopoietic cell lineage; Metabolic pathways; Nicotinate and nicotinamide metabolism; Oxytocin signaling pathway; Pancreatic secretion; Salivary secretion;
Function	NAD(P)+ nucleosidase activity; NAD+ nucleosidase activity; hydrolase activity; hydrolase activity, acting on glycosyl bonds; phosphorus-oxygen lyase activity; transferase activity;

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