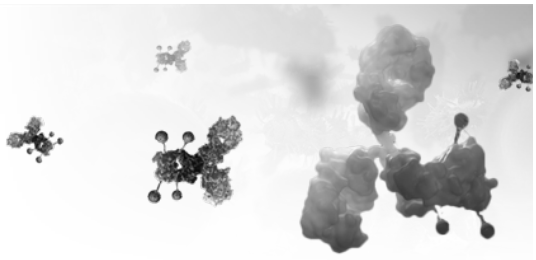

Anti-CD38 monoclonal antibody, clone AT13/5 [R-PE] (CABT-46009MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD38 antibody, clone AT13/5 recognizes a 45kDa glycoprotein and has a reactivity pattern consistent with antibodies of the CD38 cluster. CD38 is expressed by plasma cells, monocytes, early lymphoid cells and activated T cells. CD38 is widely used to study the processes of B and T differentiation and activation. Recently CD38 has been shown to possess ADP-ribosyl cyclase activity. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD38
Immunogen	Namalwa human B-cell line
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	AT13/5
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected

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from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD38 CD38 molecule [Homo sapiens (human)]
Official Symbol	CD38
Synonyms	CD38; CD38 molecule; T10; ADPRC 1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; CD38 antigen (p45); NAD(+) nucleosidase; ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase 1; 2-phospho-ADP-ribosyl cyclase; 2-phospho-cyclic-ADP-rib
Entrez Gene ID	952
Protein Refseq	NP_001766
UniProt ID	P28907
Chromosome Location	4p15
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; phosphorus-oxygen lyase activity; transferase activity;

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