



Anti-CD38 monoclonal antibody, clone AT13/5 [Biotin] (CABT-46003MH)

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 10 ⁶ cells or 100ul whole blood
Specificity	CD38
Immunogen	Namalwa human B-cell line
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	AT13/5
Conjugate	Biotin
Applications	FC
Format	Purified IgG conjugated to Biotin - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost free freezers is not recommended Avoid repeated freezing and thawing as this may denature the antibody. 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;
