



Anti-CD38 monoclonal antibody, clone HIT2 [R-PE/Cy5®] (CABT-46012MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD38 antibody, clone HIT2 recognizes human ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, also known as CD38, 2-phospho-ADP-ribosyl cyclase/2-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1 or T10. CD38 is a 300 amino acid ~45kDa single pass type II transmembrane glycoprotein expressed by activated T cells and by plasma cells. Flow Cytometry Use 20ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
Specificity	CD38
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	HIT2
Conjugate	PE/Cy5
Applications	FC
Format	Purified IgG conjugated to RPE - Cy5 - liquid
Size	2 ml
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected 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;