

Mouse anti-Human CD38 Monoclonal Antibody | anti-CD38 antibody

CD38 (ADP Ribosyl Cyclase I) Mouse Monoclonal Antibody

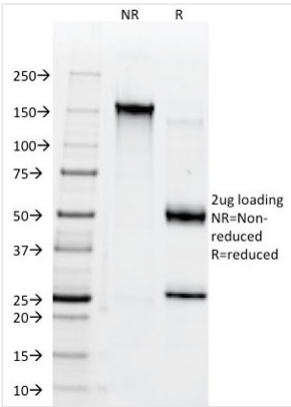
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62845	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD38; Monoclonal Antibody; CD38 (ADP Ribosyl Cyclase I) Mouse Monoclonal Antibody; Acute Lymphoblastic Leukemia Cells Antigen; ADP Ribosyl Cyclase 1; cADP-ribose Hydrolase 1; CD38H; NAD(+) Nucleosidase; NIM-R5 Antigen; p45; T10; anti-CD38 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	AT1
Specificity	CD38 is a type II transmembrane glycoprotein that is present on early B- and T-cell lineages and activated B- and T-cells but is absent from most mature resting peripheral lymphocytes. CD38 is also found on thymocytes, pre-B cells, germinal center B-cells, mitogen-activated T-cells, monocytes and Ig-secreting plasma cells. CD38 is expressed on CD34+ cells. The CD34+CD38- population of hematopoietic stems cells defines the most pluripotent cells (e.g. blast colony forming cells).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	300
Applicable Applications for anti-CD38 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface, Cytoplasm and nucleus
Immunogen	human T cell line CCRF-CEM
Hu-Chromosome Location	4p15
Positive Control	CCRF-CEM cells, Tonsil, Spleen or Skin
Preparation and Storage	Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



SDS-PAGE
SDS-PAGE Analysis Purified CD38 Mouse Monoclonal Antibody (AT1). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Deaglio S et. al. J Immunol. 1998;160(1):395-402
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38454326
NCBI GeneID	952
NCBI Accession #	NP_001766.2
NCBI GenBank Nucleotide #	NM_001775.3
UniProt Accession #	P28907; O00121; O00122; Q96HY4
Molecular Weight	~45kDa (Glycoprotein); 35kDa (protein core)
NCBI Official Full Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
NCBI Official Synonym Full Names	CD38 molecule
NCBI Official Symbol	CD38
NCBI Official Synonym Symbols	ADPRC1; ADPRC 1
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
UniProt Protein Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
UniProt Gene Name	CD38
UniProt Synonym Gene Names	ADPRC 1; cADPr hydrolase 1
UniProt Entry Name	CD38_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.