

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

anti-human CD38-Purified Preservative Free

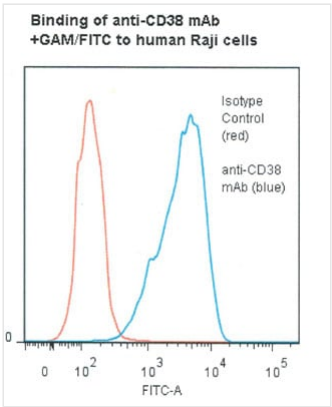
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78176	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

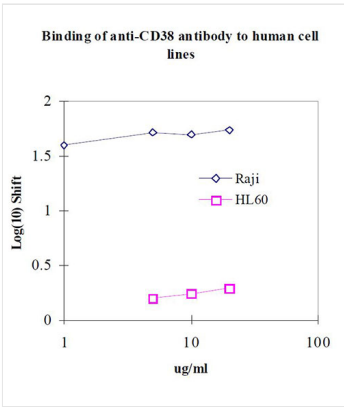
CD38; Monoclonal Antibody; anti-human CD38-Purified Preservative Free; Monoclonal anti-human CD38; anti-CD38 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1k
Clone Number	AT1
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	300
Applicable Applications for anti-CD38 antibody	FCM/FACS (Flow Cytometry)
Performance	Five x 10 ⁵ cultured Raji cells per tube were washed and incubated 45 minutes on ice with 80 ul of anti-CD38 antibody at 5 ug/ml. Cells were washed twice and incubated with 2°C reagent Goat anti-Mouse IgG/FITC (Catalog #), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.44 log ₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #).
Production	Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialled under aseptic conditions.
Immunogen	Human T cell tumor cells: CEM
Preparation and Storage	Store at 2 - 5 degree C. Open under aseptic conditions. Freeze/Thawing is not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD38 antibody	Information: Human CD38 is a type II transmembrane glycoprotein with bifunctional ectoenzyme activity catalyzing both synthesis and hydrolysis of cyclic ADP ribose (1). CD38 is involved in lymphocyte activation and adhesion to endothelium and has recently been identified as a counter-receptor of CD31 (2). Antibody AT1 recognizes the CD38 molecule of 45 kd.
References	1.) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 151-157. 2.) S. Deaglio, et al, (1998) J Immunol 160:395-402.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1911103
NCBI GeneID	952
NCBI Official Full Name	CD38
NCBI Official Synonym Full Names	CD38 molecule
NCBI Official Symbol	CD38
NCBI Official Synonym Symbols	T10; ADPRC 1
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; CD38 antigen (p45); NAD(+) nucleosidase; ADP-ribosyl cyclase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase
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.