Mouse CD38 Monoclonal Antibody | anti-CD38 antibody

MOUSE ANTI HUMAN CD38:Preservative Free

CATALOG #	HOST	APPLICATIONS
AAA11845	**Mouse**	**Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation**

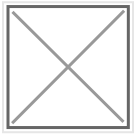
PRODUCT SYNONYMS

CD38; Monoclonal Antibody; MOUSE ANTI HUMAN CD38:Preservative Free; anti-CD38 antibody

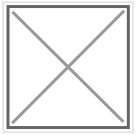
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AT13/5
Form/Format	Preservative Free Purified IgG - liquid
Concentration	IgG concentration 1 mg/ml (varies by lot)
Sequence Length	300
Applicable Applications for anti-CD38 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Immunohistology - Frozen:** Application Note: **The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommends the use of acetone fixation for frozen sections.** **Flow Cytometry:** Maximum Dilution: 1/100
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Immunogen	Namalwa human B-cell line Fusion Partners
Target Species	Human
Preparation and Storage	Store at -20 degree C only. This product should be stored undiluted. 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. Shelf Life: 18 months from date of despatch.

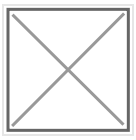
IMAGES



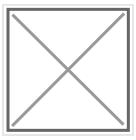
Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD38:Azide Free



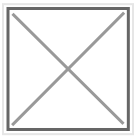
Application Data
Staining of human peripheral blood monocytes using Mouse anti Human CD38:FITC



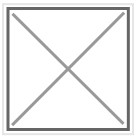
Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD38:RPE



Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD38:RPE



Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD38:RPE-Alexa Fluor 750



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD38:Biotin

ADDITIONAL INFORMATION

Related Product Information for anti-CD38 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38454326
NCBI GeneID	952
NCBI Accession #	NP_001766.2
NCBI GenBank Nucleotide #	NM_001775.2
UniProt Accession #	P28907; O00121; O00122; Q96HY4
Molecular Weight	13,788 Da
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	T10; ADPRC 1
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; CD38 antigen (p45); NAD(+) nucleosidase; cADPr 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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd38-antibody-clone-at13-5-immunohistochemistry-flow-cytometry-immunoprecipitation-elisa/11845