

Rabbit anti-Mouse CD38 Polyclonal Antibody | anti-CD38 antibody

Anti-CD38 Antibody, Rabbit Polyclonal

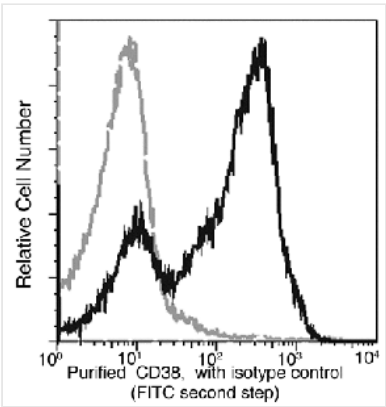
CATALOG # AAA257107	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

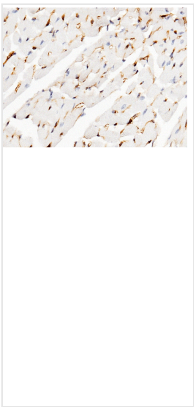
CD38; Polyclonal Antibody; Anti-CD38 Antibody; Rabbit Polyclonal; CD38 Antibody; Rabbit PAb; Antigen Affinity Purified; CD38 molecule; Anti-ADPRC 1-rs1 Antibody; Anti-ADPRC1 Antibody; Anti-Cd38 Antibody; Anti-Cd38-rs1 Antibody; Anti-I-19 Antibody; anti-CD38 antibody

PRODUCT SPECIFICATIONS

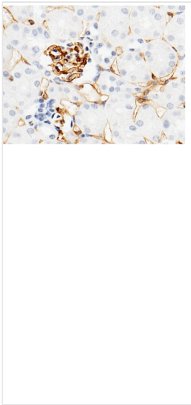
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CD38
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD38 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse CD38 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse CD38 (rM CD38). CD38 specific IgG was purified by mouse CD38 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of CD38 expression on spleen lymphocytes. BALB/c splenocytes were stained with Mouse CD38 Affinity Purified Polyclonal Ab (50191-RP02), then a FITC-conjugated second step antibody. The histogram were derived from the gated events based on light scattering characteristics of lymphocytes.



IHC (Immunohistochemistry)
Immunochemical staining of mouse CD38 in mouse heart with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). Positive staining was localized to endotheliocyte.



IHC (Immunohistochemistry)
Immunochemical staining of mouse CD38 in mouse kidney with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). Positive staining was localized to endotheliocyte.

ADDITIONAL INFORMATION

Related Product Information for anti-CD38 antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 38 (CD38), also known as ADP-ribosyl cyclase, is a glycoprotein found on the surface of many immune cells (white blood cells), including CD4+, CD8+, B and natural killer cells. It shares several characteristics with ADP-ribosyl cyclase 2 CD157. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD+ to ADP-ribose. It also functions in cell adhesion, signal transduction and calcium signaling. CD38 has been used as a prognostic marker in leukemia. It can also be used to identify plasma cells.
Product Categories/Family for anti-CD38 antibody	Cancer Drug Targets
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542362
NCBI GeneID	12494
NCBI Accession #	NP_031672.2
NCBI GenBank Nucleotide #	NM_007646.4
UniProt Accession #	P56528; Q8BFY8
Molecular Weight	34,408 Da
NCBI Official Full Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
NCBI Official Synonym Full Names	CD38 antigen
NCBI Official Symbol	Cd38
NCBI Official Synonym Symbols	ADPRC 1; Cd38-rs1
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; I-19; NIM-R5 antigen; 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_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/cd38-antibody-flow-cytometry-immunohistochemistry-elisa/257107>