

Rabbit anti-Mouse, Rat Cd38 Polyclonal Antibody | anti-CD38 antibody

Anti-Cd38 Antibody Picoband

CATALOG # AAA125978	HOST Rabbit	REACTIVITY Mouse, Rat
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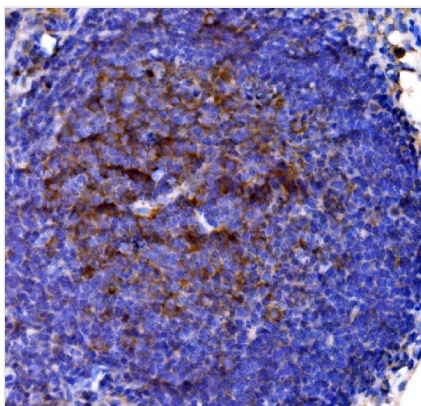
PRODUCT SYNONYMS

Cd38; Polyclonal Antibody; Anti-Cd38 Antibody Picoband; anti-CD38 antibody

PRODUCT SPECIFICATIONS

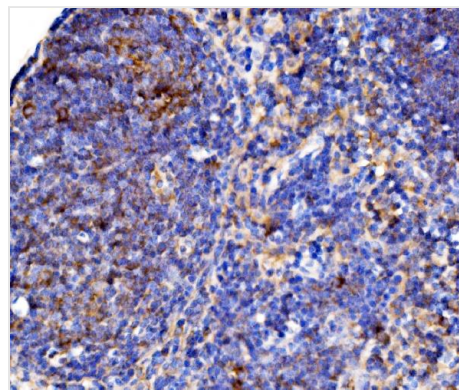
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Liquid; Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃
Concentration	0.5 mg/ml (varies by lot)
Immunogen	A synthetic peptide corresponding to a sequence of mouse Cd38 (CVDNYRPARFLQCVK). Mouse Cd38 shares 86.7% amino acid (aa) sequence identity with rat Cd38
Conjugate	Biotin
Preparation and Storage	Store at -20 degree C for one year from date of receipt. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Cd38 using anti-Cd38 antibody (AAA125978). Cd38 was detected in a paraffin-embedded section of rat lymph node tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd38 Antibody (AAA125978) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of Cd38 using anti-Cd38 antibody (AAA125978). Cd38 was detected in a paraffin-embedded section of mouse lymph node tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd38 Antibody (AAA125978) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CD38 antibody	The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-CD38 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd38-antibody-elisa/125978>