CD38 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD38, Polyclonal Antibody
Full Product Name	Rabbit Anti CD38 Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Immunofluorescence)
Product Gene Name	anti-CD38 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	It is a polyclonal antibody in a liquid format, buffered in PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	13,788 Da
3D Structure	ModBase 3D Structure for P28907
Immunogen	Recombinant fusion protein of human CD38 (NP_001766.2).
Applications Tested/Suitable for anti-CD38 antibody	Immunofluorescence (IF)
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. This product can be used in analytical tools such as Immunofluorescence.
Other Notes	Small volumes of anti-CD38 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD38 purchase	MBS8423127 is an antibody targeting CD38. Also known as Rabbit Anti CD38 Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Immunofluorescence). Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD38. It may not necessarily be applicable to this product.

NCBI GI #	38454326
NCBI GeneID	952
NCBI Accession #	NP_001766.2
UniProt Primary Accession #	P28907
UniProt Secondary Accession #	O00121; O00122; Q96HY4

UniProt Related Accession #	P28907
GenBank Nucleotide #	NM_001775.3
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
Protein Family	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
NCBI Summary for CD38	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. [provided by RefSeq, Sep 2015]
Research Articles on CD38	**1.** Results may imply that CD38 expression either reflects or participates in pathogenic mechanisms of HIV disease independently of cell cycling.
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