

CD38 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2878b**Specification****CD38 Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [P28907](#)**CD38 Antibody (C-term) Blocking Peptide -
Additional Information**

Gene ID 952

Other Names

ADP-ribosyl cyclase/cyclic ADP-ribose
hydrolase 1, 2'-phospho-ADP-ribosyl
cyclase, 2'-phospho-ADP-ribosyl
cyclase/2'-phospho-cyclic-ADP-ribose
transferase, 2'-phospho-cyclic-ADP-ribose
transferase, ADP-ribosyl cyclase 1, ADPRC
1, Cyclic ADP-ribose hydrolase 1, cADPr
hydrolase 1, T10, CD38, CD38

Target/Specificity

The synthetic peptide sequence used to
generate the antibody <a>AP2878b
was selected from the C-term region of
human CD38. A 10 to 100 fold molar excess
to antibody is recommended. Precise
conditions should be optimized for a
particular assay.

Format

Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.

Storage

Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.

Precautions

This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.

CD38 Antibody (C-term) Blocking Peptide -**CD38 Antibody (C-term) Blocking Peptide -
Background**

CD38 is a novel multifunctional ectoenzyme
widely expressed in cells and tissues especially
in leukocytes. CD38 also functions in cell
adhesion, signal transduction and calcium
signaling.

**CD38 Antibody (C-term) Blocking Peptide -
References**

Horenstein, A.L., Mol. Med. 15 (3-4), 76-84
(2009) Liu, Q., Biochemistry 47 (52),
13966-13973 (2008) Liu, Q., Chem. Biol. 15 (10),
1068-1078 (2008)

Protein Information**Name** CD38**Function**

Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

Cellular Location

Membrane; Single-pass type II membrane protein.

Tissue Location

Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.

CD38 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)