

C3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13691b**Specification**

C3 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P01024](#)**C3 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 718**Other Names**

Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, Complement C3 beta chain, C3-beta-c, C3bc, Complement C3 alpha chain, C3a anaphylatoxin, Acylation stimulating protein, ASP, C3adesArg, Complement C3b alpha' chain, Complement C3c alpha' chain fragment 1, Complement C3dg fragment, Complement C3g fragment, Complement C3d fragment, Complement C3f fragment, Complement C3c alpha' chain fragment 2, C3, CPAMD1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13691b was selected from the C-term region of C3. 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.

C3 Antibody (C-term) Blocking peptide - Protein Information**Name** C3**Synonyms** CPAMD1**Function**

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. [C3-beta-c]: Acts as a chemoattractant for neutrophils in chronic inflammation.

Cellular Location

Secreted.

Tissue Location

Plasma. The acylation stimulating protein (ASP) is expressed in adipocytes and released into the plasma during both the fasting and postprandial periods.

C3 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C3 Antibody (C-term) Blocking peptide - Images**C3 Antibody (C-term) Blocking peptide - Background**

Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection.

C3 Antibody (C-term) Blocking peptide - References

Martinez-Barricarte, R., et al. J. Clin. Invest. 120(10):3702-3712(2010) Ruan, B.H., et al. J. Immunol. 185(7):4213-4222(2010) Luo, S., et al. J. Immunol. 185(4):2164-2173(2010) Zerbib, J., et al. Mol. Vis. 16, 1324-1330 (2010) :Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :