

**C5 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8577a****Specification**

---

**C5 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P01031](#)**C5 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 727**Other Names**

Complement C5, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4, Complement C5 beta chain, Complement C5 alpha chain, C5a anaphylatoxin, Complement C5 alpha' chain, C5, CPAMD4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8577a](/products/AP8577a) was selected from the N-term region of human C5. 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.

**C5 Antibody (N-term) Blocking Peptide - Protein Information****Name** C5**Synonyms** CPAMD4**Function**

Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. C5b has a transient binding site for C6. The C5b-C6 complex is the foundation upon which the lytic complex is assembled.

**Cellular Location**

Secreted.

## **C5 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **C5 Antibody (N-term) Blocking Peptide - Images**

## **C5 Antibody (N-term) Blocking Peptide - Background**

C5 is the fifth component of complement, which plays an important role in inflammatory and cell killing processes. This protein is comprised of alpha and beta polypeptide chains that are linked by a disulfide bridge. An activation peptide, C5a, which is an anaphylatoxin that possesses potent spasmogenic and chemotactic activity, is derived from the alpha polypeptide via cleavage with a convertase. The C5b macromolecular cleavage product can form a complex with the C6 complement component, and this complex is the basis for formation of the membrane attack complex, which includes additional complement components.

## **C5 Antibody (N-term) Blocking Peptide - References**

McClure,A., et.al., Rheumatology (Oxford) 48 (11), 1369-1374 (2009)DiScipio,R.G.et.al., J. Biol. Chem. 267 (24), 17087-17094 (1992)