



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 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.

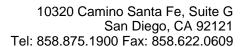
C5 Antibody (N-term) Blocking Peptide - Protein Information

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)





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