10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C1QC Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP11931c

Specification

C1QC Antibody (Center) Blocking peptide - Product Information

Primary Accession P02747

C1QC Antibody (Center) Blocking peptide - Additional Information

Gene ID 714

Other Names
Complement C1q subcomponent subunit C, C1QC, C1QG

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.

C1QC Antibody (Center) Blocking peptide - Protein Information

Name C1QC

Synonyms C1QG

Function
C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.

Cellular Location
Secreted.

C1QC Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

C1QC Antibody (Center) Blocking peptide - Images

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C1QC Antibody (Center) Blocking peptide - Background

This gene encodes a major constituent of the humancomplement subcomponent C1q. C1q associates with C1r and C1s inorder to yield the first component of the serum complement system.A deficiency in C1q has been associated with lupus erythematosusand glomerulonephritis. C1q is composed of 18 polypeptide chains:six A-chains, six B-chains, and six C-chains. Each chain contains acollagen-like region located near the N-terminus, and a C-terminalglobular region. The A-, B-, and C-chains are arranged in the orderA-C-B on chromosome 1. This gene encodes the C-chain polypeptide ofhuman complement subcomponent C1q. Alternatively spliced transcriptvariants that encode the same protein have been found for thisgene.

C1QC Antibody (Center) Blocking peptide - References

Fraser, D.A., et al. J. Immunol. 185(7):3932-3939(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Rafiq, S., et al. Clin. Exp. Immunol. 161(2):284-289(2010)Han, S., et al. Hum. Immunol. 71(7):727-730(2010)Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)