

**C1QC Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11931c****Specification**

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**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**

### **C1QC Antibody (Center) Blocking peptide - Background**

This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. A deficiency in C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N-terminus, and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the C-chain polypeptide of human complement subcomponent C1q. Alternatively spliced transcript variants that encode the same protein have been found for this gene.

### **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)