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C1QA Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7324b

Specification

C1QA Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P02745

C1QA Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 712

Other Names
Complement C1q subcomponent subunit A, C1QA

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7324b was selected from the C-term region of human C1QA. 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.

C1QA Antibody (C-term) Blocking Peptide - Protein Information

Name C1QA

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.

C1QA Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

C1QA Antibody (C-term) Blocking Peptide - Images

C1QA Antibody (C-term) Blocking Peptide - Background

C1QA is 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. Deficiency of 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 hromosome 1.

C1QA Antibody (C-term) Blocking Peptide - References

Dardiotis,E., Koutsou,P. J. Neurol. Sci. (2009) In pressMartens,H.A., Zuurman,M.W. Ann. Rheum. Dis. 68 (5), 715-720 (2009)Racila,E., Link,B.K. Clin. Cancer Res. 14 (20), 6697-6703 (2008)Sjoberg,A.P., Nystrom,S. Mol. Immunol. 45 (11), 3213-3221 (2008)