

C9 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13782c**Specification**

C9 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P02748](#)**C9 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 735**Other Names**

Complement component C9, Complement component C9a, Complement component C9b, C9

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13782c was selected from the Center region of C9. 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.

C9 Antibody (Center) Blocking peptide - Protein Information**Name** C9**Function**

Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells (PubMed: [9634479](http://www.uniprot.org/citations/9634479), PubMed: [9212048](http://www.uniprot.org/citations/9212048), PubMed: [26841934](http://www.uniprot.org/citations/26841934)). C9 is the pore-forming subunit of the MAC (PubMed: [4055801](http://www.uniprot.org/citations/4055801), PubMed: [26841934](http://www.uniprot.org/citations/26841934), PubMed: [30111885](http://www.uniprot.org/citations/30111885)).

Cellular Location

Secreted. Target cell membrane; Multi-pass membrane protein. Note=Secreted as soluble monomer Oligomerizes at target membranes, forming a pre-pore. A conformation change then

leads to the formation of a 100 Angstrom diameter pore

Tissue Location

Plasma (at protein level).

C9 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C9 Antibody (Center) Blocking peptide - Images**C9 Antibody (Center) Blocking peptide - Background**

This gene encodes the final component of the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency. [provided by RefSeq].

C9 Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(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) Bunkenborg, J., et al. Proteomics 4(2):454-465(2004) Hofsteenge, J., et al. J. Biol. Chem. 274(46):32786-32794(1999)