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

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

Specification

C9 Antibody (Center) Blocking peptide - Product Information

Primary 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, PubMed:9212048, PubMed:26841934). C9 is the pore-forming subunit of the MAC (PubMed:4055801, PubMed:26841934, PubMed: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 complementsystem. It participates in the formation of the Membrane AttackComplex (MAC). The MAC assembles on bacterial membranes to form apore, permitting disruption of bacterial membrane organization.Mutations in this gene cause component C9 deficiency. [provided byRefSeq].

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)