

**CAMP Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16981b****Specification**

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**CAMP Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P49913](#)**CAMP Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 820**Other Names**

Cathelicidin antimicrobial peptide, 18 kDa cationic antimicrobial protein, CAP-18, hCAP-18, Antibacterial protein FALL-39, FALL-39 peptide antibiotic, Antibacterial protein LL-37, CAMP, CAP18, FALL39

**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.

**CAMP Antibody (C-term) Blocking Peptide - Protein Information****Name** CAMP ([HGNC:1472](#))**Function**

Antimicrobial protein that is an integral component of the innate immune system (PubMed:<a href="http://www.uniprot.org/citations/14978112" target="\_blank">14978112</a>, PubMed:<a href="http://www.uniprot.org/citations/16637646" target="\_blank">16637646</a>, PubMed:<a href="http://www.uniprot.org/citations/18818205" target="\_blank">18818205</a>, PubMed:<a href="http://www.uniprot.org/citations/22879591" target="\_blank">22879591</a>, PubMed:<a href="http://www.uniprot.org/citations/9736536" target="\_blank">9736536</a>). Binds to bacterial lipopolysaccharides (LPS) (PubMed:<a href="http://www.uniprot.org/citations/16637646" target="\_blank">16637646</a>, PubMed:<a href="http://www.uniprot.org/citations/18818205" target="\_blank">18818205</a>). Acts via neutrophil N-formyl peptide receptors to enhance the release of CXCL2 (PubMed:<a href="http://www.uniprot.org/citations/22879591" target="\_blank">22879591</a>). Postsecretory processing generates multiple cathelicidin antimicrobial peptides with various lengths which act as a topical antimicrobial defense in sweat on skin (PubMed:<a href="http://www.uniprot.org/citations/14978112" target="\_blank">14978112</a>). The unprocessed precursor form, cathelicidin antimicrobial peptide, inhibits the growth of Gram-negative E.coli and E.aerogenes with efficiencies comparable to that of the mature peptide LL-37 (in vitro) (PubMed:<a

href="http://www.uniprot.org/citations/9736536" target="\_blank">9736536</a>).

**Cellular Location**

Secreted. Vesicle. Note=Stored as pro-peptide in granules and phagolysosomes of neutrophils (PubMed:7529412, PubMed:9736536). Secreted in sweat onto skin (PubMed:14978112).

**Tissue Location**

Expressed in neutrophilic granulocytes (at protein level) (PubMed:7529412, PubMed:7615076, PubMed:7890387, PubMed:8681941, PubMed:8946956, PubMed:9736536). Expressed in bone marrow (PubMed:7890387). [Antibacterial peptide FALL-39]: Expressed in bone marrow and testis.

**CAMP Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CAMP Antibody (C-term) Blocking Peptide - Images****CAMP Antibody (C-term) Blocking Peptide - Background**

Cathelicidin antimicrobial protein is an antimicrobial protein found in specific granules of polymorphonuclear leukocytes (PMNs).

**CAMP Antibody (C-term) Blocking Peptide - References**

van der Does, A.M., et al. J. Immunol. 185(3):1442-1449(2010) Jiang, Y., et al. Respiratory 15(6):939-946(2010) Goo, J., et al. Pediatr Dermatol 27(4):341-348(2010) Kai-Larsen, Y., et al. PLoS Pathog. 6 (7), E1001010 (2010) Pistolic, J., et al. J Innate Immun 1(3):254-267(2009)

**CAMP Antibody (C-term) Blocking Peptide - Citations**

- [Identifying the Critical Domain of LL-37 Involved in Mediating Neutrophil Activation in the Presence of Influenza Virus: Functional and Structural Analysis.](#)