

**CCL21 Antibody (Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP10134c

**Specification**

---

**CCL21 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O00585](#)  
Other Accession [NP\\_002980.1](#)

**CCL21 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 6366

**Other Names**

C-C motif chemokine 21, 6Ckine, Beta-chemokine exodus-2, Secondary lymphoid-tissue chemokine, SLC, Small-inducible cytokine A21, CCL21, SCYA21

**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.

**CCL21 Antibody (Center) Blocking peptide - Protein Information**

**Name** CCL21

**Synonyms** SCYA21

**Function**

Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4.

**Cellular Location**

Secreted.

**Tissue Location**

Highly expressed in high endothelial venules of lymph nodes, spleen and appendix. Intermediate levels found in small intestine, thyroid gland and trachea. Low level expression in thymus, bone marrow, liver, and pancreas. Also found in tonsil, fetal heart and fetal spleen

## **CCL21 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **CCL21 Antibody (Center) Blocking peptide - Images**

## **CCL21 Antibody (Center) Blocking peptide - Background**

This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 (CCR7) that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq].

## **CCL21 Antibody (Center) Blocking peptide - References**

Rey-Gallardo, A., et al. Glycobiology 20(9):1139-1146(2010) Cuesta-Mateos, C., et al. Exp. Hematol. 38(9):756-764(2010) Sundqvist, J., et al. Fertil. Steril. (2010) In press :Plant, D., et al. Ann. Rheum. Dis. 69(8):1548-1553(2010) Farragher, T.M., et al. Arthritis Care Res (Hoboken) 62(5):676-682(2010)