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CCL19 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2013b

Specification

CCL19 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q99731
Other Accession	NP_006265

CCL19 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6363

Other Names
C-C motif chemokine 19, Beta-chemokine exodus-3, CK beta-11, Epstein-Barr virus-induced molecule 1 ligand chemokine, EBI1 ligand chemokine, ELC, Macrophage inflammatory protein 3 beta, MIP-3-beta, Small-inducible cytokine A19, CCL19, ELC, MIP3B, SCYA19

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2013b was selected from the C-term region of human CCL19 . 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.

CCL19 Antibody (C-term) Blocking Peptide - Protein Information

Name CCL19

Synonyms ELC, MIP3B, SCYA19

Function
May play a role not only in inflammatory and immunological responses but also in normal lymphocyte recirculation and homing. May play an important role in trafficking of T-cells in thymus, and T-cell and B-cell migration to secondary lymphoid organs. Binds to chemokine receptor CCR7. Recombinant CCL19 shows potent chemotactic activity for T-cells and B-cells but not for granulocytes and monocytes. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta- arrestin (ARRB1/2) to ACKR4.

Cellular Location
Secreted.

Tissue Location
Expressed at high levels in the lymph nodes, thymus and appendix. Intermediate levels seen in colon and trachea, while low levels found in spleen, small intestine, lung, kidney and stomach

CCL19 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CCL19 Antibody (C-term) Blocking Peptide - Images

CCL19 Antibody (C-term) Blocking Peptide - Background

The gene for CCL19 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. CCL19 may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7.

CCL19 Antibody (C-term) Blocking Peptide - References

Townson, J.R., et al., Eur. J. Immunol. 32(5):1230-1241 (2002).Till, K.J., et al., Blood 99(8):2977-2984 (2002).Phillips, R., et al., Eur. J. Immunol. 32(3):837-847 (2002).Ueno, T., et al., Immunity 16(2):205-218 (2002).Kim, C.H., et al., J. Immunol. 160(5):2418-2424 (1998).