

**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-term) Blocking peptide**

Synthetic peptide

Catalog # BP2013a

**Specification**

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**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-term) Blocking peptide - Product Information**

Primary Accession

[O99731](#)

Other Accession

[NP\\_006265](#)**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-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 [AP2013a](/product/products/AP2013a) was selected from the N-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.

**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-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

**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-term) Blocking peptide - Images****Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-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.

**Macrophage Inflammatory Protein 3 (MIP3) beta (CCL19) Antibody (N-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).