

CCL22 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16351c**Specification**

CCL22 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O00626](#)**CCL22 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 6367

Other Names

C-C motif chemokine 22, CC chemokine STCP-1, MDC(1-69), Macrophage-derived chemokine, Small-inducible cytokine A22, Stimulated T-cell chemotactic protein 1, MDC(3-69), MDC(5-69), MDC(7-69), CCL22, MDC, SCYA22

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.

CCL22 Antibody (Center) Blocking Peptide - Protein Information

Name CCL22

Synonyms MDC, SCYA22

Function

May play a role in the trafficking of activated/effector T- lymphocytes to inflammatory sites and other aspects of activated T- lymphocyte physiology. Chemotactic for monocytes, dendritic cells and natural killer cells. Mild chemoattractant for primary activated T- lymphocytes and a potent chemoattractant for chronically activated T- lymphocytes but has no chemoattractant activity for neutrophils, eosinophils, and resting T-lymphocytes. Binds to CCR4. Processed forms MDC(3-69), MDC(5-69) and MDC(7-69) seem not be active.

Cellular Location

Secreted.

Tissue Location

Highly expressed in macrophage and in monocyte- derived dendritic cells, and thymus. Also found in lymph node, appendix, activated monocytes, resting and activated macrophages. Lower expression in lung and spleen. Very weak expression in small intestine In lymph node expressed in

a mature subset of Langerhans' cells (CD1a+ and CD83+). Expressed in Langerhans' cell histiocytosis but not in dermatopathic lymphadenopathy. Expressed in atopic dermatitis, allergic contact dermatitis skin, and psoriasis, in both the epidermis and dermis.

CCL22 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CCL22 Antibody (Center) Blocking Peptide - Images

CCL22 Antibody (Center) Blocking Peptide - Background

CCL22 is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It also displays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils, eosinophils and resting T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology.

CCL22 Antibody (Center) Blocking Peptide - References

Toulza, F., et al. J. Immunol. 185(1):183-189(2010) Maruyama, T., et al. Dis. Esophagus 23(5):422-429(2010) Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010) Wu, C., et al. Respirology 15(3):522-529(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010)