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CCR4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18134b

Specification

CCR4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P51679

CCR4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1233

Other Names
C-C chemokine receptor type 4, C-C CKR-4, CC-CKR-4, CCR-4, CCR4, K5-5, CD194, CCR4, CMKBR4

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.

CCR4 Antibody (C-term) Blocking Peptide - Protein Information

Name CCR4

Synonyms CMKBR4

Function
High affinity receptor for the C-C type chemokines CCL17/TARC, CCL22/MDC and CKLF isoform 1/CKLF1. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Predominantly expressed in the thymus, in peripheral blood leukocytes, including T-cells, mostly CD4+ cells, and basophils, and in platelets; at lower levels, in the spleen and in monocytes (PubMed:10754297, PubMed:9169480). Detected also in macrophages, IL-2-activated natural killer cells and skin-homing memory T-cells, mostly the ones expressing the cutaneous lymphocyte antigen (CLA). Expressed in brain microvascular and coronary artery endothelial cells (PubMed:10754297).

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CCR4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CCR4 Antibody (C-term) Blocking Peptide - Images

CCR4 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene belongs to theG-protein-coupled receptor family . It is a receptor for the CCchemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a groupof small polypeptide, structurally related molecules that regulatecell trafficking of various types of leukocytes. The chemokinesalso play fundamental roles in the development, homeostasis, andfunction of the immune system, and they have effects on cells ofthe central nervous system as well as on endothelial cells involvedin angiogenesis or angiostasis.

CCR4 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Han, S., et al. Hum. Immunol. 71(7):727-730(2010)Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)Klapa, S., et al. Clin. Exp. Rheumatol. 28 (1 SUPPL 57), 72-80 (2010) :Maneechotesuwan, K., et al. J Med Assoc Thai 93 SUPPL 1, S62-S70 (2010) :