

CCR4 Antibody (Extracellular Domain)
Goat Polyclonal Antibody
Catalog # ALS13112

Specification

CCR4 Antibody (Extracellular Domain) - Product Information

Application	IHC
Primary Accession	P51679
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	41kDa KDa

CCR4 Antibody (Extracellular Domain) - 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

Target/Specificity

Peptide sequence is <50% identical to other chemokine receptors in this region.

Reconstitution & Storage

Long term: -70°C; Short term: -20°C; Avoid freeze-thaw cycles.

Precautions

CCR4 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

CCR4 Antibody (Extracellular Domain) - 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).

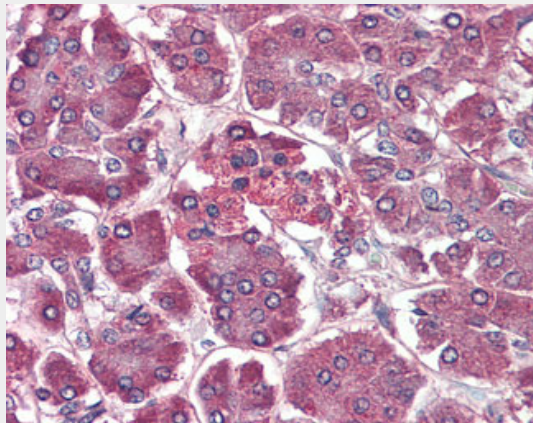
Volume

50 µl

CCR4 Antibody (Extracellular Domain) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCR4 Antibody (Extracellular Domain) - Images

Anti-CCR4 antibody IHC of human pancreas.

CCR4 Antibody (Extracellular Domain) - Background

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.

CCR4 Antibody (Extracellular Domain) - References

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Kato H., et al. Genes Immun. 1:97-104(1999).
Kopatz S.A., et al. Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
Imai T., et al. J. Biol. Chem. 272:15036-15042(1997).
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