

CCR4 Blocking Peptide
Catalog # PBV10367b**Specification**

CCR4 Blocking Peptide - Product Information

Primary Accession	P51679
Other Accession	232680
Gene ID	1233
Calculated MW	41403

CCR4 Blocking Peptide - Additional Information**Gene ID** 1233**Application & Usage**

The peptide is used for blocking the antibody activity of CCR4. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

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

CCR4

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

CCR4 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

CCR4 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).

CCR4 Blocking Peptide - 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 Blocking Peptide - Images