

CCR1 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21343a**Specification**

CCR1 Blocking Peptide (N-term) - Product InformationPrimary Accession [P32246](#)**CCR1 Blocking Peptide (N-term) - Additional Information**

Gene ID 1230

Other Names

C-C chemokine receptor type 1, C-C CKR-1, CC-CKR-1, CCR-1, CCR1, HM145, LD78 receptor, Macrophage inflammatory protein 1-alpha receptor, MIP-1alpha-R, RANTES-R, CD191, CCR1, CMKBR1, CMKR1, SCYAR1

Target/Specificity

The synthetic peptide sequence is selected from aa 13-24 of HUMAN CCR1

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.

CCR1 Blocking Peptide (N-term) - Protein Information**Name** CCR1**Synonyms** CMKBR1, CMKR1, SCYAR1**Function**

Chemokine receptor that plays a crucial role in regulating immune cell migration, inflammation, and immune responses (PubMed:14991608). Contributes to the inflammatory response by recruiting immune cells, such as monocytes, macrophages, T-cells, and dendritic cells, to sites of inflammation for the clearance of pathogens and the resolution of tissue damage. When activated by its ligands including CCL3, CCL5-9, CCL13-16 and CCL23, triggers a signaling cascade within immune cells, leading to their migration towards the source of the chemokine (PubMed:15905581). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF-alpha and leukotriene B4 (By similarity). Also mediates monocyte migration upon CXCL4 binding (PubMed:29930254)

target="_blank">29930254). Activation by CCL5 results in neuroinflammation through the ERK1/2 signaling pathway (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Widely expressed in different hematopoietic cells.

CCR1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

CCR1 Blocking Peptide (N-term) - Images**CCR1 Blocking Peptide (N-term) - Background**

Receptor for a C-C type chemokine. Binds to MIP-1-alpha, MIP-1-delta, RANTES, and MCP-3 and, less efficiently, to MIP-1- beta or MCP-1 and subsequently transduces a signal by increasing the intracellular calcium ions level. Responsible for affecting stem cell proliferation.

CCR1 Blocking Peptide (N-term) - References

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Nomura H.,et al.Int. Immunol. 5:1239-1249(1993).
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