

**CCR1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4859a****Specification**

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

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

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.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Widely expressed in different hematopoietic cells.

**CCR1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CCR1 Antibody (N-term) Blocking Peptide - Images**

#### **CCR1 Antibody (N-term) Blocking Peptide - Background**

CCR1 encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha), regulated on activation normal T expressed and secreted protein (RANTES), monocyte chemoattractant protein 3 (MCP-3), and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite. This gene and other chemokine receptor genes, including CCR2, CCRL2, CCR3, CCR5 and CXCR1, are found to form a gene cluster on chromosome 3p.

#### **CCR1 Antibody (N-term) Blocking Peptide - References**

Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010) Anderson, M.W., et al. Am. J. Clin. Pathol. 133(3):473-483(2010) Amundsen, S.S., et al. Genes Immun. 11(1):79-86(2010)