

**CXCR5 Blocking Peptide (N-term)**

Synthetic peptide

Catalog # BP19892a

**Specification**

---

**CXCR5 Blocking Peptide (N-term) - Product Information**

Primary Accession

[P32302](#)

Other Accession

[NP\\_116743.1](#)**CXCR5 Blocking Peptide (N-term) - Additional Information****Gene ID** 643**Other Names**C-X-C chemokine receptor type 5, CXC-R5, CXCR-5, Burkitt lymphoma receptor 1,  
Monocyte-derived receptor 15, MDR-15, CD185, CXCR5, BLR1, MDR15**Target/Specificity**

The synthetic peptide sequence is selected from aa 15-28 of HUMAN CXCR5

**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.

**CXCR5 Blocking Peptide (N-term) - Protein Information****Name** CXCR5**Synonyms** BLR1, MDR15**Function**

Cytokine receptor that binds to B-lymphocyte chemoattractant (BLC). Involved in B-cell migration into B-cell follicles of spleen and Peyer patches but not into those of mesenteric or peripheral lymph nodes. May have a regulatory function in Burkitt lymphoma (BL) lymphomagenesis and/or B-cell differentiation.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Expression in mature B-cells and Burkitt lymphoma cells

## **CXCR5 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

## **CXCR5 Blocking Peptide (N-term) - Images**

## **CXCR5 Blocking Peptide (N-term) - Background**

This gene was identified as a gene specifically expressed in Burkitt's lymphoma and lymphatic tissues. The protein encoded by this gene is predicted to be a seven transmembrane G protein-coupled receptor and belongs to the CXC chemokine receptor family. BLC, a B-lymphocyte chemoattractant, was identified to be a specific ligand for this receptor. Studies of this gene and its mouse counterpart strongly suggest the essential function of this gene in B cell migration and localization within specific anatomic compartments, such as follicles in lymph nodes as well as in spleen. Two alternatively spliced variants of this gene exist.

## **CXCR5 Blocking Peptide (N-term) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Lee, H.T., et al. J. Rheumatol. 37(1):45-52(2010)  
El Haibi, C.P., et al. Mol. Cancer 9, 85 (2010) :  
Singh, S., et al. Int. J. Cancer 125(10):2288-2295(2009)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)