

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

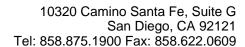
CXCR5 Blocking Peptide (N-term) - Background

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 proteincoupled 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 conterpart 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

CXCR5 Blocking Peptide (N-term) - References

this gene exist.

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)





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