

Anti-CXCR5 Antibody

Catalog # ABO11327

Product Information

Application	WB
Primary Accession	P32302
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 5(CXCR5) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Calculated MW	41955
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Expression in mature B-cells and Burkitt lymphoma cells.
Source	Eukaryota
Protein Name	C-X-C chemokine receptor type 5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CXCR5(358-372aa SSLSESENATSLTTF), identical to the related rat and mouse sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the G-protein coupled receptor 1 family.

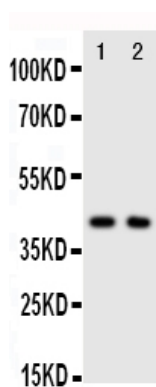
Protein Information

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

Background

CXCR5(Chemokine CXC Motif Receptor 5), also known as BLR1, is a G protein-coupled seven transmembrane receptor for chemokine CXCL13(also known as BLC) and belongs to the CXC chemokine receptor family. In humans, the CXC-R5 protein is encoded by the CXCR5 gene. The gene plays an essential role in B cell migration. Reif et al.(2002) concluded that their findings defined the mechanism of B-cell relocalization in response to antigen, and established that cell position in vivo can be determined by the balance of responsiveness to chemoattractants made in separate but adjacent zones. Chan et al.(2003) investigated the expression of chemokines and chemokine receptors in eyes with primary intraocular B-cell lymphoma(PIOL).

Images



Anti-CXCR5 antibody, ABO11327, Western blotting
Lane 1: Rat Spleen Tissue Lysate
Lane 2: HELA Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.