

Basic Information

Product Name	Anti-CXCR5 Antibody	
Gene Name	CXCR5	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human CXCR5 recombinant protein (Position: A181-S358).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	42 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

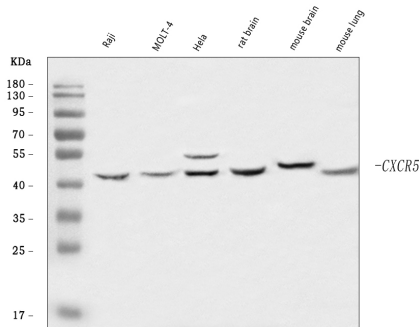
Background Information

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).

Reference

Anti-CXCR5 Antibody 被引用在1文献中。

Selected Validation Data



Western blot analysis of CXCR5 using anti-CXCR5 antibody (A00663-2).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Raji whole cell lysates,

Lane 2: MOLT-4 whole cell lysates,

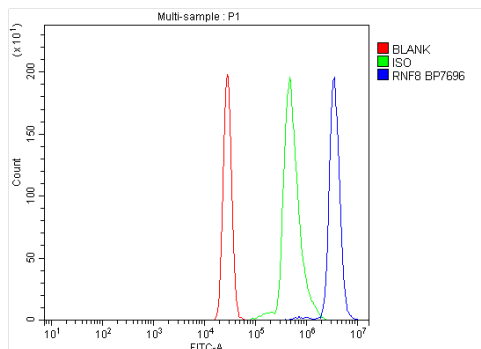
Lane 3: Hela whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: mouse brain tissue lysates,

Lane 6: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CXCR5 antigen affinity purified polyclonal antibody (A00663-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CXCR5 at approximately 42 kDa. The expected band size for CXCR5 is at 42 kDa.



Flow Cytometry analysis of HEL cells using anti-CXCR5 antibody (A00663-2).

Overlay histogram showing HEL cells stained with A00663-2 (Blue line).

The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-CXCR5 Antibody (A00663-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.