

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CXCR5 in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse CXCR7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse CXCR5 Met1-Pro57, Glu112-Thr126, Lys191-Phe221, and Leu283-Ile306, joined by linker peptides Accession # Q04683
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CXCR5 (CXC chemokine receptor 5; also BLR-1, NLR and CD185) is a 55-60 kDa member of the G-protein coupled receptor 1 family. It is expressed on select cell types, including granule and Purkinje cell neurons, embryonic CD4+ CD3- IL-7Rα+ precursor cells, B cells and follicular T helper cells. CXCR5 selectively binds BLC/CXCL13. This appears to both promote embryonic lymph node development and, in the adult, direct expressing cells to positions that optimize antigen presentation and antibody production. Mouse CXCR5 is a 7-transmembrane glycoprotein that is 374 amino acids (aa) in length. It contains a 57 aa N-terminal extracellular region plus a 47 aa C-terminal cytoplasmic domain. Over aa 1-57, mouse CXCR5 shares 84% and 47% aa identity with rat and human CXCR5, respectively.

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