

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects recombinant mouse CXCR5 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse CXCR7 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 614641
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse CXCR5 Met1-Pro57 Accession # Q04683
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Mouse splenocytes and T follicular helper cells

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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-7R $\alpha$ + 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.

#### PRODUCT SPECIFIC NOTICES

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