**DESCRIPTION**

**Species Reactivity**
Human

**Specificity**
Reacts specifically with human and non-human cells expressing human CXCR4 (fusin) as detected by flow cytometry. It will also react with cells expressing feline CXCR4 but not rat CXCR4. This antibody does not cross-react with other chemokine receptors.

**Source**
Monoclonal Mouse IgG2B Clone # 44717

**Purification**
Protein A or G purified from ascites

**Immunogen**
Mouse 3T3 cells transfected with human CXCR4

**Conjugate**
Phycoerythrin
Excitation Wavelength: 488 nm
Emission Wavelength: 565-605 nm

**Formulation**
Supplied 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.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>10 µL/10⁶ cells See Below</td>
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</table>

**DATA**

**Flow Cytometry**

Detection of CXCR4 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CXCR4 PE-conjugated Monoclonal Antibody (Catalog # FAB173P) and Mouse Anti-Human CD19 APC-conjugated Monoclonal Antibody (Catalog # FAB4867A). View our protocol for Staining Membrane-associated Proteins.

**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**

CXCR4 is a G-protein-linked seven transmembrane spanning receptor that binds stromal cell-derived factor-1 (SDF-1). CXCR4 acts as a co-factor for T-cell tropic HIV-1 and -2 viral entry into cells.