

**DESCRIPTION**

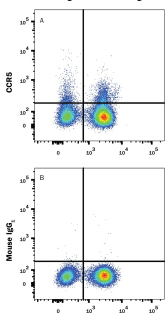
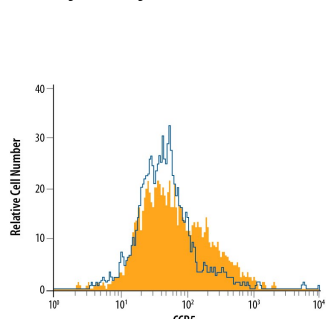
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human CCR5 in Western blots and human, mouse, and rat CCR5 in flow cytometry. For additional information regarding epitope specificity for this antibody and other R&D Systems anti-human CCR5 antibodies, see Reference 1.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # CTC5
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	CHO Chinese hamster ovary cell line transfected with human CCR5
<b>Conjugate</b>	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 µL/10 <sup>6</sup> cells	See Below

**DATA**

<p><b>Flow Cytometry</b></p>  <p><b>Detection of CCR5 in Human PBMCs by Flow Cytometry.</b> Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD3ε Alexa Fluor® 405-conjugated Monoclonal Antibody (Catalog # FAB100V) and either (A) Mouse Anti-Human/Mouse/Rat CCR5 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB1802F) or (B) Mouse IgG<sub>1</sub> Fluorescein Isotype Control (Catalog # IC002F). View our protocol for <a href="#">Staining Membrane-associated Proteins</a>.</p>	<p><b>Flow Cytometry</b></p>  <p><b>Detection of CCR5 in Mouse Splenocytes by Flow Cytometry.</b> Mouse splenocytes treated with anti-CD3, anti-CD28, 5 ng/mL Recombinant Mouse IL-12 (Catalog # 419-ML) and 10 µg/mL Goat Anti-Mouse IL-4 Polyclonal Antibody (Catalog # AB-404-NA) for 3 days to induce Th1 development were stained with Mouse Anti-Human/Mouse/Rat CCR5 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB1802F, filled histogram) or isotype control antibody (Catalog # IC002F, open histogram). View our protocol for <a href="#">Staining Membrane-associated Proteins</a>.</p>
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**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**

CCR5 is a G protein-linked seven transmembrane domain chemokine receptor. CCR5 serves as a receptor for several chemokines including MIP-1α, MIP-1β, MCP-2, and RANTES. It also functions as a coreceptor for Macrophage Tropic HIV-1 infection.

**References:**

1. Lee, B. *et al.* (1999) *J. Biol. Chem.* **274**:9617.