Human/Mouse/Rat CCR5 PE-conjugated Antibody
Monoclonal Mouse IgG1, Clone # CTC5
Catalog Number: FAB1802P
100 Tests, 25 Tests

DESCRIPTION
Species Reactivity: Human/Mouse/Rat
Specificity: Detects human CCR5 in Western blots. For additional information regarding epitope specificity for this antibody and other R&D Systems anti-human CCR5 antibodies, see Reference 1.
Source: Monoclonal Mouse IgG1, Clone # CTC5
Purification: Protein A or G purified from hybridoma culture supernatant
Immunogen: CHO Chinese hamster ovary cell line transfected with human CCR5
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.

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<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>10 µL/10⁶ cells</td>
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DATA

Flow Cytometry
Detection of CCR5 in Human PBMCs by Flow Cytometry. 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 PE-conjugated Monoclonal Antibody (Catalog # FAB1802P) or (B) Mouse IgG1, Phycoerythrin Isotype Control (Catalog # IC002P). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry
Detection of CCR5 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes treated with anti-CD3, anti-CD28, 5 ng/mL Recombinant Mouse IL-12 (Catalog # 419ML) 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 PE-conjugated Monoclonal Antibody (Catalog # FAB1802P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry
Detection of CCR5 in Rat Splenocytes by Flow Cytometry. Rat splenocytes were stained with Mouse Anti-Human/Mouse/Rat CCR5 PE-conjugated Monoclonal Antibody (Catalog # FAB1802P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). 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

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: