

Human/Mouse/Rat CCR5 PE-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # CTC5 Catalog Number: FAB1802P

100 TESTS, 25 TESTS

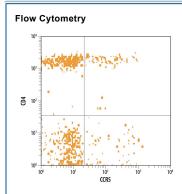
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human CCR5 in Western blots. For additional information regarding epitope specificity for this antibody and other R&D Systems		
	anti-human CCR5 antibodies, see Reference 1.		
Source	Monoclonal Mouse IgG ₁ Clone # CTC5		
Purification	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

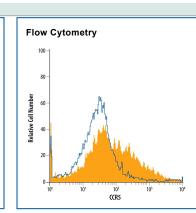
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 ⁶ cells	See Below

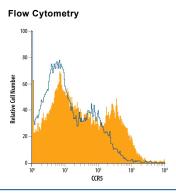
DATA



Detection of CCR5 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human/Mouse/Rat CCR5 PE-conjugated Monoclonal Antibody (Catalog # FAB1802P) and Mouse Anti-Human CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB3791A). Quadrant markers were set based on control antibody staining (Catalog # IC002P). View our protocol for Staining Membrane-associated Proteins.



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 # 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 PE-conjugated Monoclonal Antibody (Catalog # FAB1802P, filled histogram) or isotype control antibody (Catalog # ICO02P, open histogram). View our protocol for Staining Membrane-associated Proteins.



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 # (C002P, 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.





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BACKGROUND

CCR5 is a G protein-linked seven transmembrane domain chemokine receptor. CCR5 serves as a receptor for several chemokines including MIP-1 α , MIP-1 β , 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.

