

Mouse CXCR4 Fluorescein-conjugated Antibody

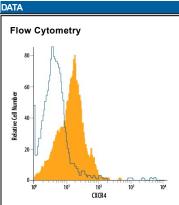
Monoclonal Rat IgG_{2B} Clone # 247506 Catalog Number: FAB21651F 100 Tests, 25 Tests

DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse CXCR4 transfectants. Does not stain irrelevant transfectants.		
Source	Monoclonal Rat IgG _{2B} Clone # 247506		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Y3 rat myeloid cell line transfected with mouse CXCR4 Met1-Ser359 Accession # P70658		
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)		
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



Detection of CXCR4 in Mouse Thymocytes by Flow Cytometry. Mouse thymocytes were stained with Rat Anti-Mouse CXCR4 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB21651F, filled histogram) or isotype control antibody (Catalog # IC013F, open histogram). View our protocol for Staining Membraneassociated 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.



