

Mouse CXCR4 Fluorescein-conjugated Antibody

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

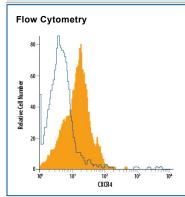
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse CXCR4 transfectants. Does not stain irrelevant transfectants.		
Source	Monoclonal Rat IgG _{2B} Clone # 247506		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Y3 rat myeloid cell line transfected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

