Mouse CXCR4 APC-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 247506

Catalog Number: FAB21651A

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	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

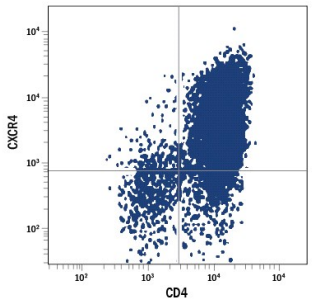
APPLICATIONS

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

Flow Cytometry



Detection of CXCR4 in CD8⁺ Mouse Thymocytes by Flow Cytometry. CD8⁺ mouse thymocytes were stained with Rat Anti-Mouse CXCR4 APC-conjugated Monoclonal Antibody (Catalog # FAB21651A) and Rat Anti-Mouse CD4 PE-conjugated Monoclonal Antibody (Catalog # FAB554P). Quadrant markers were set based on control antibody staining (Catalog # IC013A). 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.

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