Human CXCR4 Biotinylated Antibody

Monoclonal Mouse IgG_{2B} Clone # 44717

Catalog Number: FAB173B
100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Reacts specifically with human and non-human cells expressing human CXCR4 (fusin) as detected by flow cytometry. It will also react with cells expressing feline CXCR4 but not rat CXCR4. This antibody does not cross-react with other chemokine receptors.
Source	Monoclonal Mouse IgG_{2B} Clone # 44717
Purification	Protein A or G purified from ascites
Immunogen	Mouse 3T3 cells transfected with human CXCR4
Conjugate	Biotin Excitation Wavelength: N/A nm Emission Wavelength: N/A 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.

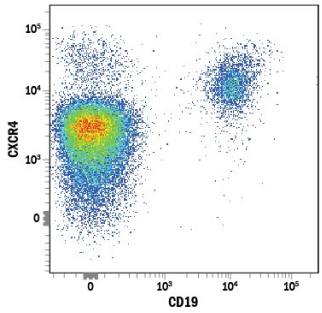
APPLICATIONS

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 Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CXCR4 Biotinylated Monoclonal Antibody (Catalog # FAB173B) followed by Streptavidin-Phycoerythrin (Catalog # F0040) and Mouse Anti-Human CD19 APC-conjugated Monoclonal Antibody (Catalog # FAB4867A). 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	**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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