

Human CXCR4 Fluorescein-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 12G5 Catalog Number: FAB170F 100 TESTS, 25 TESTS

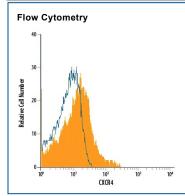
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human CXCR4.		
Source	Monoclonal Mouse IgG _{2A} Clone # 12G5		
Purification	Protein A or G purified from ascites		
Immunogen	CP-MAC-infected SUP-T1 human T cell lymphoblastic lymphoma line Accession # P61073		
Conjugate	Fluorescein Excitation 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 Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CXCR4 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB170F, filled histogram) or isotype control antibody (Catalog # IC003F, 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.

References:

1. Endres, M.J. et al. (1996) Cell 87:745.

