

Human/Mouse CXCL12/SDF-1 Fluorescein-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 79018

Catalog Number: IC350F 100 TESTS

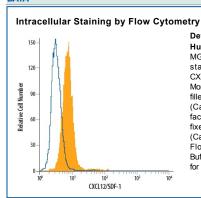
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human and mouse CXCL12/SDF-1α and CXCL12/SDF-1β in ELISAs.		
Source	Monoclonal Mouse IgG ₁ Clone # 79018		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant human CXCL12/SDF-1α Lys22-Lys89 Accession # Q6ICW0		
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
Intracellular Staining by Flow Cytometry	μg/mL	See Below

DATA



Detection of CXCL12/SDF-1 in MG-63 Human Cell Line by Flow Cytometry. MG-63 human osteosarcoma cell line was stained with Mouse Anti-Human/Mouse CXCL12/SDF-1 Fluorescein-conjugated Monoclonal Antibody (Catalog # IC350F, filled histogram) or isotype control antibody (Catalog # IC002F, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

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

CXCL12, also known as SDF-1, is a CXC chemokine that interacts with CXCR4. SDF-1 α and SDF-1 β are alternatively spliced isoforms of CXCL12. SDF-1 β has an additional 4 amino acids at the carboxy-terminus.

