Human VEGF APC-conjugated Antibody



Monoclonal Mouse IgG_{2A} Clone # 23410

Catalog Number: IC2931A 100 TESTS

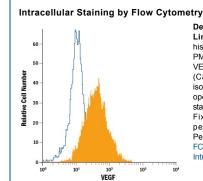
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human VEGF.		
Source	Monoclonal Mouse IgG _{2A} Clone # 23410		
Purification	Protein A or G purified from ascites		
Immunogen	E. coli-derived recombinant human VEGF		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 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
Intracellular Staining by Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA



Detection of VEGF in U937 Human Cell Line by Flow Cytometry. U937 human histiocytic lymphoma cell line treated with PMA was stained with Mouse Anti-Human VEGF APC-conjugated Monoclonal Antibody (Catalog # IC2931A, filled histogram) or isotype control antibody (Catalog # IC003A, 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

Vascular Endothelial Growth Factor (VEGF) is a soluble protein secreted by a wide variety of cell types. It binds to the receptor tyrosine kinases VEGF R1 (FIt-1) and VEGF R2 (FIk-1). VEGF stimulates vascular endothelial cell proliferation and is a potent inducer of angiogenesis.

