

Human Fibronectin Fluorescein-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # P1H11 Catalog Number: IC1918F

100 Tests

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Fibronectin in Western blots.	
Source	Monoclonal Mouse IgG ₁ Clone # P1H11	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Human plasma-derived Fibronectin	
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)	
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.	

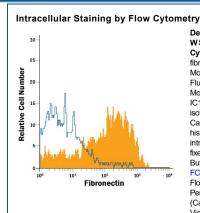
APPLICATIONS

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

Fibronectin

Detection of Fibronectin in HepG2 cells by Flow Cytometry HepG2 (filled histogram) and Jurkat (open histogram) cells were stained with Mouse Anti-Human Fibronectin Fluoresceinconjugated Monoclonal Antibody (Catalog # IC1918F). 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.



Detection of Fibronectin in WS-1 Human Cell Line by Flow Cytometry. WS-1 human fetal skin fibroblast cell line was stained with Mouse Anti-Human Fibronectin Fluorescein-conjugated Monoclonal Antibody (Catalog # IC1918F, filled histogram) or isotype control antibody (Catalog # Catalog # IC002F, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # 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

Human Fibronectin (FN) is a 210-220 kDa extracellular matrix protein that serves as a cornerstone for cell-matrix interactions. It is a sulfated glycoprotein 2055 amino acids (aa) in length. Along its length, it exhibits three types of repeating modules; twelve type I, two type II and 16 type III modules. There are more than 15 alternative splice variants, most in the C-terminal half of the molecule. FN circulates as a disulfide-linked homodimer, a product of hepatocytes. It also exists as a very large covalent multimer, likely the product of a wide variety of cell types. Within these multimers will be found FN-Fibrinogen, -Collagen 13 and -Mac2BP complexes. The multidomain nature of FN allows for binding of Fibrin, GAGs (HS and CS), Syndecans and Integrins α5β1 and αVβ3. Over aa 31-2386 (full-length), human FN shares 91% aa sequence identity with mouse FN.

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