

Fibronectin (Fibrin/Heparin-Binding Domain) Antibody

Mouse Monoclonal Antibody [Clone 616]

Catalog No	Format	Size
2335-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2335-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2335-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

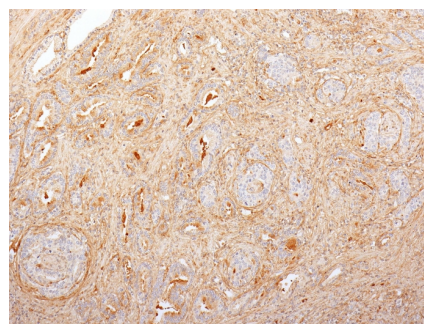
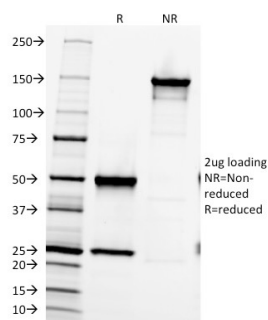
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	616
Gene Name	Fn1
Immunogen	High molecular weight proteins secreted by cultivated human fibroblasts
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	220kDa (monomer); 440kDa (dimer)
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human, Pig
Positive Control	SW156 cells. Prostate or Kidney.

**Optimal dilution for a specific application should be determined.*

Product Images for Fibronectin (Fibrin/Heparin-Binding Domain) Antibody



SDS-PAGE Analysis of Purified Fibronectin Mouse Monoclonal Antibody (616). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Fibronectin Mouse Monoclonal Antibody (616).

Specificity & Comments

Fibronectins are disulfide-linked, dimeric glycoproteins of ~440kDa. They possess at least four binding sites for collagen, glycosaminoglycans, transglutaminase, and a cell surface receptor. Epitope of this MAb is located in the 29kDa N-terminal fibrin- and heparin-binding domain of fibronectin. It does not cross-react with MMP-2, MMP-9, or TIMP-2. Fibronectins are involved in cell adhesion, tissue organization, and wound healing. Fibronectins are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Articular Cartilage Extracellular Matrix, Cardiovascular, Cytokine Signaling, Immunology, Infectious Disease, Lung Cancer, Mesenchymal Stem Cell Differentiation, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
