Catalog # 2335-MSM2X
Product Datasheet

Fibronectin Antibody

Mouse Monoclonal Antibody [Clone SPM246]

Catalog No	Format	Size
2335-MSM2X-P0	Purified Ab with BSA and Azide	200ug/ml
2335-MSM2X-P1	Purified Ab with BSA and Azide	200ug/ml
2335-MSM2X-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

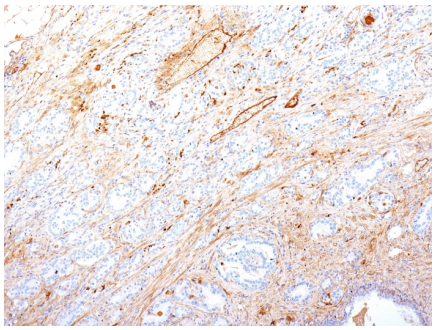
Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

Clone	SPM246
Gene Name	Fn1
Immunogen	T-cell lymphoma biopsy
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	220kDa (monomer); 440kDa (dimer)
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human, Mouse, Pig, Rat
Positive Control	SW156 cells. Kidney.

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

Product Images for Fibronectin Antibody



Formalin-fixed, paraffin-embedded human Pancreatic Adenocarcinoma stained with Fibronectin Monoclonal Antibody (SPM246).

Specificity & Comments

Fibronectin is a soluble dimeric glycoprotein of 440kDa, which is present in cells, extracellular matrix, and blood. This MAb reacts with the cellular as well as plasma form of fibronectin. Reportedly, after iv administration, this MAb localizes to tumor vessels where it binds to the underlying basement. Epitope recognized by this antibody is not accessible in normal tissues to the circulating MAb indicating that it can be used to specifically target tumor vessels in vivo. TV-1 is reportedly useful for delivering vasoactive agents to tumors to induce increased vascular permeability or blood flow prior to treatment with chemotherapeutic drugs or MAbs.

Research Areas

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

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

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.

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.