Category:	Cat. #	Product Name:
Monoclonal Antibodies	V7079-2	**Fibronectin – clone U223, Purified**

Description:
Monoclonal Mouse Anti-Human Fibronectin.

Immunogen:
T-cell lymphoma biopsy.

Cellular Localization:
Connective tissue and matrix

Application:
Immunohistochemistry 1:50-1:100 on frozen tissue sections.

Species Reactivity:
Human and Mouse. Others not tested.

Recommended Positive Control:
Kidney (normal or cancerous)

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen tissue sections. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts with fibronectin in the connective tissue matrix. This antibody does not react with plasma fibronectin. This antibody stains connective tissue and vessel fibronectin. Fibronectin is an extracellular adhesive glycoprotein. This antibody localizes to tumor vessels where it binds the normal basement membrane. It can be used in vivo to target tumor vessels.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2 mg
Clone: U223
Isotype: IgG1
Host: Mouse
Form: Concentrated
Mol. Wt. of Antigen: 440 kD (non reduced) and 220 (reduced)
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Ljubirnov, A.V. etal, Lab Investigation, 72:461-473, 1995.
2. Peters, J.H. etal, Cell Adhes. Commun. 4:103-125, 1996.
3. Martin, J.A. etal, J. Orthop. Res. 16:752-757, 1998.

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