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Product Data Sheet

MAB-12371

Mouse Anti Fibronectin

CLONE: EP-5

ISOTYPE: mouse IgG1

PRODUCT FORM: purified

BACKGROUND

Fibronectin is a disulfide-bonded dimer of 230-250 kD. In the extracellular matrix of several connective tissues and vessels, fibronectin is present as an insoluble protein that is extensively cross-linked by interchain disulfide bonds forming high molecular mass polymers. It is most abundant during embryonic development and tissue remodelling. Fibronectin is also present at high concentrations as a soluble plasma protein. Fibronectin is organized as a linear series of repeating modules which form domains for interaction with fibronectin itself, other matrix components (e.g. collagen and heparin) and receptors on cells (e.g. integrins).

SOURCE EP-5 is a mouse monoclonal IgG1 antibody.

PRODUCT Each vial contains 100 (11 mg/ml purified antibody containing 0.09% sodium azide.

SPECIFICITY EP-5 reacts with fibronectin in connective tissues and vessels. Animal biodistribution experiments have shown that after intravenous administration, EP-5 antibody localizes to tumor vessels where it binds to the underlying basement membrane. At the same time the antigen recognized by EP-5 antibody is not accessible in normal tissue to circulating antibody indicating that this antibody can be used to target tumor vessels specifically in vivo. EP-5 is useful for immunohistochemistry on frozen tissues. Optimal antibody dilution should be determined by titration; recommended range is 1:25
– 1:200 for immunohistochemistry with avidinbiotinylated horseradish peroxidase complex (ABC) as detection reagent.

SPECIES REACTIVITY Human, mouse.

STORAGE Store at 4°C, or in small aliquots at –20°C.

For Research use only; not for use as a diagnostic

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