

Human Fibronectin Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 42042 (clone FN30-8)

Format: 400ug in 10mM PBS, pH 7.4, 1% BSA, lyophilized.

BACKGROUND

Fibronectin is a 440kDa glycoprotein of the extracellular matrix that binds to integrins, collagen, fibrin, and heparan sulfate proteoglycans. Fibronectin plays a major role in cell adhesion, growth, migration, and differentiation, and it is important for processes such as wound healing and embryonic development. Altered fibronectin expression, degradation, and organization has been associated with a number of pathologies, including cancer and fibrosis.

SPECIFICATION SUMMARY

Antigen: Human plasma fibronectin

Host Species: Mouse

Antibody subtype: IgG1

Accession no.: P02751, NP_001293058

Specificity: This antibody recognizes an epitope in the cell-binding domain of human fibronectin and can inhibit cell adhesion.

APPLICATIONS

ELISA: 1-10ug/ml with immobilized antigen.

Western Blot: 1-10ug/ml, reducing or non-reducing conditions.

Cell Adhesion Inhibition Assay: 0.1-1.0ug/ml on 10ug/ml fibronectin-coated microwells inhibits adhesion of trypsinized NRK cells.

Immunohistochemistry: 1-10ug/ml, paraffin-embedded or frozen tissue sections with Proteinase K treatment for antigen retrieval.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dissolve lyophilized antibody in 200ul of distilled water (final concentration 2.0mg/ml).

STORAGE AND STABILITY

The stock solution (2.0mg/ml) can be stored in aliquots at -20°C for 1 year or can be stored at 4°C for 6 months after adding 0.1% sodium azide. Prepare dilutions of stock solution immediately before use. Do not store diluted stock solution. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures