



## **Monoclonal antibody against human Fibronectin**

**Product No. BP051-05**

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### **Description**

Fibronectin is an adhesive glycoprotein with a molecular mass of 440 kDa. It is believed to be important for the formation of a provisional matrix that promotes cell adhesion and migration during wound healing. Its age-dependent increase in plasma and tissues may be accompanied in pathological states, especially in tumor growth, by its proteolytic breakdown by a number of neutral proteases. It has also shown that several of its proteolytic breakdown products exhibit unexpected and mostly harmful biological activities.

### **Preparation**

No. BP051-05 is a mouse IgG1/lambda monoclonal antibody purified from cell culture supernatant by Protein A/G affinity chromatography. Fibronectin isolated from human plasma was used as the immunizing antigen.

### **Specificity**

BP051-05 has specificity for human fibronectin.

### **Reactivity**

BP051-05 reacts strongly with fibronectin. Strong reaction is seen in ELISA with fibronectin directly coated onto the microtiter plate. In Western blot after SDS-PAGE, BP051-05 reacts with fibronectin in reduced as well as in non-reduced form.

### **Presentation**

Screw capped vial containing 100 µg of purified IgG. Concentration 1 mg/ml 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide.

### **Storage and Stability**

Store the antibody at 2°-8°C. The antibody may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

### **Applications**

ELISA, Western blot

### **References**

1. Underwood PA, Dalton BA, Steele JG, Bennett FA, Strike P (1992) Anti-fibronectin antibodies that modify heparin binding and cell adhesion: evidence for a new cell binding site in the heparin binding region. *J Cell Sci* 102:833-845.