

**Anti-Fibronectin (human)  
mouse monoclonal antibody**Subclass: IgG<sub>1</sub>/λ

PRODUCT NO.

**HYB 051-05**

Clone:3D2

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

ANTIGEN

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.

IMMUNOGEN

Fibronectin isolated from human plasma adsorbed onto aluminum hydroxide gel

SPECIFICITY

HYB 051-05 has specificity for human fibronectin

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

HYB 051-05 reacts strongly with fibronectin. A strong reaction is seen in ELISA with fibronectin directly coated onto the microtiter plate.

In Western blot after SDS-PAGE, HYB 051-05 reacts with fibronectin in reduced as well as in nonreduced form.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653

IMMUNIZATION

Female CF1 x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	
Immunoblotting	Yes	
Immunohistochemistry	Not determined	

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.

**CONDITIONS**

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