ANTIBODYSHOP

PRODUCT SPECIFICATION

Anti Fibronectin (human)
Mouse Monoclonal Antibody

Subclass: IgG_1/λ

PRODUCT NO. **HYB 051-05**

PRESENTATION

Preparation: Protein-A/G purified
Content: 1 ml, 1 mg/mL
Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide
Storage: In the dark at 4-8ºC

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

SPECIFICITY

HYB 051-05 has specificity for human fibronectin

EPITOPE SPECIFICITY

Not determined

REACTIVITY

HYB 051-05 reacts strongly with fibronectin. Strong reaction is seen in ELISA with fibronectin directly coated onto the microtiter plate.
In Western blot after SDS-PAGE, 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 i.p. with immunogen adsorbed onto Al(OH)3

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:5000	
Immunoblotting	Yes		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.1-1 µg/ml. Users should determine the optimal dilutions for their own purposes.

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
All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.