



**Anti Fibronectin (bovine)
Mouse Monoclonal Antibody**

Subclass: IgG1/k

PRODUCT NO. **CSI 005-17**

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 4-8°C

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 (1).

IMMUNOGEN Lysed bovine corneal endothelial cells and extracellular matrix

SPECIFICITY CSI 005-17 is highly specific for fibronectin. There is no evidence for cross-reactivity with other connective tissue proteins (vitronectin, elastin, collagen, laminin).
CSI 005-17 cross-reacts with human and chicken fibronectin. Other species have not been tested.

EPITOPE SPECIFICITY Epitope is located in the 120kD cell binding fragment

REACTIVITY CSI 005-17 can be used in ELISA, Western blotting, immunoprecipitation and immunostaining of frozen PLP-fixed sections of bovine and human tissues. The antibody inhibits integrin-mediated cell adhesion to the cell binding domain of fibronectin. It can be used to probe fibronectin conformation. Strong reaction is seen in ELISA with thrombospondin directly coated onto the microtiter well.

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER SP2/O.

IMMUNIZATION Female BALB/c mice immunized i.p. with immunogen diluted in saline

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:30,000	1-6
Immunoblotting	Yes	1:100	1
Immunohistochemistry	Yes		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 2,0 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

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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.