

Anti-Fibronectin (bovine)

Mouse monoclonal antibody

Subclass: IgG1/k

CAT. NO.

CSI 005-22

Clone: A22

SPECIFICITY CSI 005-22 is highly specific for bovine fibronectin. There is no evidence for cross-reactivity with other connective tissue proteins (vitronectin, elastin, collagen, laminin).

IMMUNOGEN Bovine corneal endothelial cells on beads

TESTED APPLICATIONS ELISA, WB, IHC-F, IHC-P, IP

SPECIES REACTIVITY (POSITIVE) Bovine

SPECIES REACTIVITY (NEGATIVE) Human

EPITOPE SPECIFICITY Not determined

PRESENTATION

Content: Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Preparation: Protein-A purified

Form: Liquid

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.

APPLICATION

ELISA: CSI 005-22 can be used in ELISA (1,2,3).

WB: CSI 005-22 can be used in immunoblotting.

IHC: CSI 005-22 can be used in immunostaining of frozen PLP-fixed sections of bovine tissues.

IP: CSI 005-22 can be used in immunoprecipitation.

TARGET

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).

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.
2. Underwood PA, Steele JG, Dalton BA (1993) Effects of polystyrene surface chemistry on biological activity of solid phase fibronectin and vitronectin, analysed with monoclonal antibodies. J Cell Sci 104:793-803.
3. Underwood PA, Steele JG, Dalton BA, Bennett FA (1990) Solid phase monoclonal antibodies. A novel method of directing the function of biologically active molecules by presenting a specific orientation. J Immunol Methods 127:91-102.

CONDITIONS

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