

Anti-Vitronectin (bovine, horse, rabbit)**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

CSI 004-18

Clone:A18

SPECIFICITY CSI 004-18 is highly specific for vitronectin. There is no evidence for cross-reactivity with other connective tissue proteins (fibronectin, elastin, collagen, laminin). The antibody inhibits integrin-mediated cell adhesion to bovine vitronectin. It can be used to probe vitronectin conformation.

IMMUNOGEN Lysed bovine corneal endothelial cells and extracellular matrix

TESTED APPLICATIONS ELISA, WB (not applicable), IHC-F, IHC-P

SPECIES REACTIVITY (POSITIVE) Bovine, horse, rabbit

SPECIES REACTIVITY (NEGATIVE) Human, sheep

EPITOPE SPECIFICITY Not determined

PRESENTATION

Content: Available in 200 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, with 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 004-18 reacts weakly in ELISA with vitronectin coated directly onto the microtiter plate.
IHC: CSI 004-18 is suitable in ELISA and immunostaining of frozen PLP-fixed sections of bovine tissues.

TARGET Vitronectin is a plasma glycoprotein that circulates in the blood. Vitronectin is circulating as a mixture of both 75 kDa and 65 kDa forms. Vitronectin is a major cell adhesive glycoprotein and is a common component of extracellular matrix and plasma. It competes effectively with other plasma proteins and is often involved in cell attachment, regulation of blood coagulation and immune responses. It has similar tissue distribution to fibronectin and also its integrin receptor recognises fibronectin.

REFERENCES**CONDITIONS**

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