

Anti-Vitronectin (bovine, horse, rabbit)

CAT. NO. CSI 004-18

OVERVIEW

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|----------------------------|------------------------------------------|--------------------|--------------|
| Product Name | Anti-Vitronectin (bovine, horse, rabbit) | Conjugation | Unconjugated |
| Description | Mouse monoclonal antibody | Host | Mouse |
| Isotype | IgG1/k | Clone | A18 |
| Tested Applications | ELISA, IHC, AP | | |

SPECIFICITY

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| 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 | Gene ID | 507525, 100009128, 100059034 |
| 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 recognizes fibronectin. | | |
| Species Reactivity POSITIVE | Bovine, Rabbit, Horse | Species Reactivity NEGATIVE | Human, Sheep |

PROPERTIES

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|--------------------------|-------------------------------------------------------------------------|---------------------------|-----------------|
| Form | Liquid | Unit Size | 0,4 mL and 1 mL |
| Concentration | 1 mg/mL \pm 15%, See CoA for lot details | | |
| Purification | Protein A or Protein G purified | Purification Notes | BSA free |
| Storage buffer | 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide | | |
| Storage condition | 2-8°C without exposure to light | | |
| Safety | Wear protective clothing | | |

TESTED APPLICATIONS

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|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| AP | The antibody can be used as an affinity purification reagent of vitronectin from bovine plasma or serum and to quantitatively deplete plasma or serum of vitronectin. It can also be used to probe vitronectin conformation. |

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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