

**Anti-Thrombospondin 1 (bovine, human)**

**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

**CSI 002-65**

Clone: A65M

---

SPECIFICITY	CSI 002-65 is highly specific for the low-calcium (0.1 mmol/L) conformation of human TSP1. There is no evidence of cross-reactivity with other connective tissue proteins (vitronectin, fibronectin, elastin, collagen, laminin).
IMMUNOGEN	Extracellular matrix material from cultured bovine corneal endothelial cells
TESTED APPLICATIONS	ELISA, IHC-F, IHC-P, IP
SPECIES REACTIVITY (POSITIVE)	Bovine, human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Epitope is only present in thrombospondin prepared in low-calcium (0.1 mmol/L) buffers.

---

**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 002-65 can be used in ELISA (1).  
**IHC:** CSI 002-65 for immunostaining of frozen periodate-lysine-paraformaldehyde-fixed sections of bovine and human tissues. CSI 002-65 can also be used to probe for the low-calcium conformation of thrombospondin (1).  
**IP:** CSI 002-65 can be used for immunoprecipitation

**TARGET**

Thrombospondin 1 (TSP1) is a multidomain, multifunctional glycoprotein from platelets and certain vascular cells which has been shown to play an important role in cell-cell and cell-matrix interactions. TSP1 is a calcium-sensitive, disulfide-bonded trimer with a subunit molecular mass of 150 kDa. TSP1 exists in different conformational states depending on the calcium ion concentration used in the purification buffers (1).

**REFERENCES**

1. Matthias LJ, Gotis-Graham I, Underwood PA, McNeil HP, Hogg PJ (1996) Identification of monoclonal antibodies that recognize different disulphide bonded forms of thrombospondin 1. Biochem Biophys Acta 1216:138-144.

**CONDITIONS**

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.