

## Monoclonal Antibody to Thrombospondin - Azide Free

<b>Catalog No.:</b>	AM00408AF-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml
<b>Background:</b>	Thrombospondin is a protein from platelet $\alpha$ -granules. It is made up of three identical subunits bound by interchain disulfides. It is secreted at sites of platelet activation and aggregation and is involved in the processes of chemotaxis, adhesion, proliferation and differentiation of leukocytes, fibroblasts, smooth muscle and endothelial cells.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	MBC200.1
<b>Immunogen:</b>	Native purified human TSP from platelets, N-terminal heparin-binding domain. <b>Remarks:</b> Mol. Wt. of Antigen: ~450kDa (non-reduced) 170 to 180 kDa (reduced)
<b>Format:</b>	<b>State:</b> Liquid ascites fluid <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4
<b>Applications:</b>	Blocks Binding of TSP-1: 5-10 $\mu$ g/ml. Immunofluorescence. Immunoprecipitation (Native verified): use Protein G, 2 $\mu$ g/mg protein lysate. Western Blotting: 1-2 $\mu$ g/ml for 2 hrs at RT. Not suitable for Immunohistology. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Thrombospondin. It reacts with a 25 kDa peptide (heparin-binding domain) from thermolysin digests of TSP that is not disulfide bonded to any other region of the TSP molecule. Heparin efficiently inhibits the binding to TSP. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	Cellular Localization: Secretory granules, Golgi complex, endoplasmic reticulum, fibrillar extracellular matrix surrounding the cells.
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Gupta K, et al. (1998) Biochim Biophys Acta, 61789:1-11.