

## Monoclonal Antibody to Thrombospondin (TSP)

<b>Catalog No.:</b>	DM3211
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgM
<b>Recommended Isotype Controls:</b>	SM13P
<b>Clone:</b>	A4.1
<b>Immunogen:</b>	Calcium-replete, native purified human TSP from the supernatant of thrombin-activated platelets.
<b>Applications:</b>	Blocks Binding of TSP-1 to TSP-Rec. / CD361 (Order Ab without azide). Flow Cytometry. Immunofluorescence. Western Blotting (Ab 1-2 µg/ml for 2hrs at RT)(Nonreduced only). Recommended positive control: HUVEC Cells. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</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. This antibody blocks anti-angiogenic activity of TSP-1 by inhibiting its binding to TSP-Receptor / CD36. It shows no cross-reaction with fibronectin, fibrinogen, and von Willebrand factor. It inhibits the adhesion of human melanoma G361 cells, keratinocytes, squamous carcinoma cells, and rat smooth muscle cells. It does not inhibit aggregation of thrombin-induced platelets. Reacts with Human, Mouse, Rat, Cow, and Chicken. Others not tested. Cellular Localization: Secretory Granules, Golgi Complex, Endoplasmic Reticulum, Extracellular Matrix.
<b>Storage:</b>	Mol. Wt of Antigen: ~450kD (non-reduced) Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)