

## Monoclonal Mouse Antibody to Thrombospondin (TSP)

<b>Catalog No.:</b>	Mob 315, Mob 315-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
<b>Immunogen:</b>	BALB/C mice were injected with reduced and alkylated purified human TSP (fully denatured) from the supernatant of thrombin-activated platelets.
<b>Clone:</b>	A6.1
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody is specific to a 450 kD protein (non-reduced) and 170 to 180 kD (reduced) form of Thrombospondin which is a protein from platelet granules. It is secreted at sites of platelet activation and aggregation and is involved in the differentiation of leukocytes, fibroblasts, smooth muscle, and endothelial cells. This antibody cross reacts with human, cow, pig, horse, dog, sheep, mouse, and rat.
<b>Positive Control:</b>	Tonsil
<b>Cellular Localization:</b>	Secretory granules, Golgi complex, endoplasmic reticulum.
<b>Other Applications:</b>	Immunofluorescence, Immunoprecipitation, Western Blotting.
<b>Storage:</b>	Store at 2-8°C. Do not use it beyond the expiration date stated on the label.
<b>References:</b>	i) Dixit et al. Biochemistry 24 (16): 4270, 1985. ii) Dixit et al. J Bio Chem 261 (4): 1962, 1986. iii) Galvin et al. J Cell Bio 104 (5): 1413, 1987.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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