

## Monoclonal Mouse Antibody to TIMP-1

<b>Catalog No.:</b>	Mob 317, Mob 317-05
<b>Applications:</b>	Research Use Only. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	BALB/C mice were injected with recombinant human TIMP-1.
<b>Clone:</b>	102D1
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is supplied as a purified immunoglobulin fraction containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	Dilute 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 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody is specific to a 28.5 kD protein known as TIMP-1. Tissue inhibitor of metalloproteinases-1 (TIMP-1) and Tissue inhibitor of metalloproteinases-2 (TIMP-2) are inhibitory enzymes of the matrix metalloproteinase family. TIMP-1 forms a complex of 1:1 stoichiometry with activated interstitial collagenase, activated stromelysin, the active form of 72 kD Type IV collagenase (MMP-2), and the latent and active forms of 92 kD Type IV collagenase (MMP-9). TIMPs inhibit the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.
<b>Positive Control:</b>	Breast carcinoma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Other Applications:</b>	Western Blotting
<b>Storage:</b>	Store at 2-8 <sup>o</sup> C. Do not use it beyond the expiration date stated on the label.
<b>References:</b>	i) Hurskainen et al. J Histochem Cytochem 44 (12): 1379, 1996. ii) Sobue K and Sellers JR J Biol Chem 266 (19): 12115, 1991.

### RUO: Research Use Only

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

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