

Monoclonal Mouse Antibody to TIMP-2

Catalog No.:	Mob 318, Mob 318-05
Applications:	Research Use Only. Optimal working conditions must be determined by the end user.
Immunogen:	BALB/C mice were injected with a synthetic peptide from the N-terminal region of human TIMP-2.
Clone:	3A4
Isotype:	IgG2a/kappa
Format:	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
Titer/Working Dilution:	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.
Staining Protocol:	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>
Specificity:	This antibody is specific to 21 kD protein known as TIMP-2. TIMP-1 and TIMP-2 are inhibitory enzymes of the matrix metalloproteinase family. TIMPs are of great importance in the maintenance of connective tissue integrity. TIMP-2 shows the highest binding affinity to both the latent (pro) and active forms of 72 kD Type IV collagenase (MMP-2) and active form of 92 kD Type IV collagenase (MMP-9). TIMPs inhibit the proteolytic invasiveness of tumor cells and normal placental trophoblast cells. This antibody cross reacts with mouse, rat, rabbit, cow, and Guinea pig.
Positive Control:	Colon carcinoma
Cellular Localization:	Cytoplasmic
Other Applications:	Western Blotting
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Murray et al. Gut 34: 791, 1998.

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

DBS

1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: www.dbiosys.com e-mail: customersupport@dbiosys.com