

Code No. 18681

**Anti-Human  
TIMP-1 (T-172) Rabbit IgG Affinity Purify**

Volume : 100  $\mu$ g

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**Introduction** : Tissue inhibitor of Metalloproteinase (TIMP-1) is endogenous-specific inhibitor produced simultaneously with matrix metalloproteinase (MMP). TIMP-1 inhibits both active MMP to control degeneration of extracellular matrix (ECM) and conversion of intermediate form into active form. In addition, TIMP-1 forms complex with not only active MMP but also potential MMP. Especially, TIMP-1 binds to potential MMP-9 by affinity of C-terminal domain to one another. The degeneration of extracellular matrix is essential step in invasion and metastasis of tumor cell. It is considered that tumor cell collects protease on the surface of cell and degenerates ECM in invading tissue.

**Antigen** : The part of Synthetic peptide of TIMP-1 protein (177-188)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%  $\text{NaN}_3$

**How to use** : 1.0 ml distilled water will be added to the product  
(In storing, please add  $\text{NaN}_3$  to the products after reconstitution)

**Dilution** : PBS (pH7.4) containing 1% BSA

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for western blotting in concentration of 1~5  $\mu$ g/ml.

**Specificity** : Confirmed by Recombinant TIMP-1

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*For research use only, not for use in diagnostic procedures.*

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