



## Product Information Sheet

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### **Polyclonal Anti-Tissue inhibitor of metalloproteinase 2, *TIMP2* (Magnetic Bead conjugate)**

**Catalogue No.** PA1076-M

**Immunogen**

A peptide mapping at the C-terminal end of TIMP-2 of human origin, identical to the related rat and mouse sequence

**Lot No.** 03A01

**Ig type:** rabbit IgG

**Purity**

Immunogen affinity purified.

**Size:** 100µg/vial

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

### **BACKGROUND**

TIMP2 gen is encoded by 5 exons spanning 83 kb of genomic DNA. TIMP2 is 83 kilobase pairs (kb) long with exon-intron splicing sites located in preserved positions among the three members of the TIMP family. The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. TIMP-2 abrogates angiogenic factor-induced endothelial cell proliferation in vitro and angiogenesis in vivo independent of MMP inhibition.

### **REFERENCE**

1. De Clerck, Y.; Szpirer, C.; Aly, M. S.; Cassiman, J.-J.; Eeckhout, Y.; Rousseau, G. : The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. *Genomics* 14: 782-784, 1992.
2. Hammani, K.; Blakis, A.; Morsette, D.; Bowcock, A. M.; Schmutte, C.; Henriet, P.; DeClerck, Y. A. : Structure and characterization of the human tissue inhibitor of metalloproteinases-2 gene. *J. Biol. Chem.* 271: 25498-25505, 1996.
3. Seo, D.-W.; Li, H.; Guedez, L.; Wingfield, P. T.; Diaz, T.; Salloum, R.; Wei, B.; Stetler-Stevenson, W. G. : TIMP-2 mediated inhibition of angiogenesis: an MMP-independent mechanism. *Cell* 114: 171-180, 2003.

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