



Product Information Sheet

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

Catalogue No. PA1076-M

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

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

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

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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