



Product Information Sheet

Polyclonal Anti-Tissue inhibitor of metalloproteinase 3, *TIMP3* (Magnetic Bead Conjugate)

Catalogue No. PA1077-M	Immunogen A peptide mapping at the C-terminal of human TIMP-3 origin, different to the related rat and mouse sequence by single amino acid.
Lot No. 0101112187713	Purity Immunogen affinity purified.
Ig type: rabbit IgG	Contents Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
Size: 100µg/vial	Storage Store at 4 °C for frequent use.
Specificity Human. No cross reactivity with other proteins.	Description This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation
Recommended application ImmunoPrecipitation (IP)	

BACKGROUND

The tissue inhibitors of metalloproteinases (TIMPs) are natural inhibitors of the matrix metalloproteinases, a group of zinc-binding endopeptidases involved in the degradation of the extracellular matrix. The TIMP3 gene is expressed in many tissues, with highest expression in the placenta. TIMP3 encodes a potent angiogenesis inhibitor and is mutated in Sorsby fundus dystrophy, a macular degenerative disease with submacular choroidal neovascularization. TIMP3 gene is mapped to 22q12.1-q13.2. Mutations in TIMP3 cause the autosomal dominant disorder Sorsby's fundus dystrophy (SFD).

REFERENCE

1. Apte, S. S.; Mattei, M.-G.; Olsen, B. R. : Cloning of the cDNA encoding human tissue inhibitor of metalloproteinases-3 (TIMP-3) and mapping of the TIMP3 gene to chromosome 22. *Genomics* 19: 86-90, 1994.
2. Stohr, H.; Roomp, K.; Felbor, U.; Weber, B. H. F. : Genomic organization of the human tissue inhibitor of metalloproteinases-3 (TIMP3). *Genome Res.* 5: 483-487, 1995.

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