



rabbit anti-human TIMP-1 IgG

Product No. 3821

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Description

Polyclonal antibody directed against human Tissue Inhibitor of Matrix metalloproteinase-1 (TIMP-1). Rabbits were immunized with purified recombinant protein expressed in an E. coli expression system. IgG was purified from rabbit serum by precipitation and chromatography. This polyclonal antibody detects TIMP-1 even in the presence of a 10-fold excess of either active or latent MMP-8 or MMP-9. The antibody does not crossreact with TIMP-2.

Presentation

Screw capped clear glass vial containing 1 mg of purified IgG, lyophilized from a buffer of 0.15M PBS, pH 7.4 with 100 mM mannitol added as an excipient.

Reconstitution

Add 1 ml of filtered deionized water to generate a 1 mg/ml stock solution.

Storage and Stability

Store the vial of lyophilized IgG at 2°-8°C. Reconstituted IgG may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

Applications

- A. ELISA
- B. Immunohistochemistry

References

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2. Tissue inhibitor of metalloproteinase 1, collagenolytic and gelatinolytic activity in loose hip endoprostheses. Takagi M, Konttinen YT, Kempainen P, Sorsa T, Tschesche H, Bläser J, Suda A, Santavirta S. J Rheumatol 1995, Dec;22(12):2285-90.
3. Isolation and Characterization of Tissue Inhibitors of Metalloproteinases (TIMP-1 and TIMP-2) from Human Rheumatoid Synovial Fluid. A. Osthues, V. Knäuper, R. Oberhoff, H. Reinke and H. Tschesche. FEBS Lett 1992, 296, 16-20.
4. Transforming growth factor β 1 regulates tissue inhibitor of metalloproteinases-1 (TIMP-1) expression in differentiated human articular chondrocytes. M. Günther, H.-D. Haubeck, E. Van de Leur, J. Bläser, S. Bender, D.-C. Fischer, H. Tschesche, H. Greiling, P. C. Heinrich and L. Graeve. Arthritis & Rheumatism 1994, 37, 395-405.
5. Preparation of active recombinant TIMP-1 from *Escherichia coli* inclusion bodies and complex formation with the recombinant catalytic domain of PMNL-collagenase. T. Kleine, S. Bartsch, J. Bläser, S. Schnierer, S. Triebel, M. Valentin, T. Gote & H. Tschesche. Biochem 1993, 32, 14125-14131.