



rabbit anti-human MMP-13 IgG

Product No. 3813

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Description

Polyclonal antibody directed against human Matrix metalloproteinase 13 (MMP-13, collagenase-3). Rabbits were immunized with purified recombinant catalytic domain, expressed in an E. coli expression system. IgG was purified from rabbit serum by Protein A-Sepharose affinity and by immune affinity chromatograph on CH-activated Sepharose 4B coupled with the antigen. This polyclonal antibody reacts with both recombinant and native human MMP-13 protein.

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. Western blot
- C. Immunocytology
- D. Immunohistochemistry (paraformaldehyde-fixed paraffin embedded)

References

1. Distribution of extracellular matrix proteins in pterygia: an immunohistochemical study. Naib-Majani W, Eltohami I, Wernert N, Watts W, Tschesche H, Pleyer U, Breipohl W. Graefes Arch Clin Exp Ophthalmol 2004, Apr;242(4):332-338.
2. Protein expression of MMP-13, uPA, and PAI-1 in pseudocapsular and interface. Tissue around implants of loose artificial hip joints and in osteoarthritis. Diehl, P., Hantke, B., Henning, M., Tschesche, H., Mittewlmeier, W., Schmitt, M. & Mühlenweg, B. Internat J Molecular Med 2004, 13 (5), 711-715.
3. Clinical Relevance of MMP-13 with a New Highly Specific and Sensitive ELISA in Ascites Fluid of Advanced Ovarian Carcinoma Patients. B.Hantke, N.Harbeck, B.Schmalfeld, I.Claes, O.Hiller, M.O.Lutter, A.Welk, W.Kuhn, M.Schmitt, H.Tschesche, B.Muehlenweg. Biol Chem 2003, 384, 1247-1251.