



rabbit anti-human MMP-14 IgG

Product No. 3814

american diagnostica inc.

500 West Avenue • Stamford, CT 06902
Tel: (203) 602-7777 Fax: (203) 602-2221

Description

Polyclonal antibody directed against human Matrix metalloproteinase 14 (MMP-14, Membrane-type 1 matrix metalloproteinase, MT1-MMP). Rabbits were immunized with recombinant protein expressed in an E.coli expression system. IgG was purified from rabbit serum by precipitation and chromatography. This polyclonal antibody reacts with both recombinant and native human MMP-14 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

References

- A. Immunological characterization of cell-surface and soluble forms of membrane type 1 matrix metalloproteinase in human breast cancer cells and in fibroblasts. H. Li, D.E. Bauzon, X. Xu, H. Tschesche, J. Cao & Q.A. Sang. *Mol Carcinog* 1998, 22, 84-94.
- B. Membrane type 1 matrix metalloproteinase (MT1-MMP) cleaves the recombinant aggrecan substrate rAgg¹_{mut} at the 'aggrecanase' and the MMP sites. Characterization of MT1-MMP catabolic activities on the interglobular domain of aggrecan. F.H. Büttner, C. E. Hughes, D. Margerie, A. Lichte, H. Tschesche, B. Caterson & E. Bartnik. *Biochem J* 1998, 333, 159-165.