

Murine Anti-Plasminogen

Clone GMA-086

Plasminogen, precursor of the active protease plasmin, is a single chain glycoprotein of 92 kDa. Found in plasma at a concentration of 200 ug/ml, it contains 5 disulfide-bonded structures termed "kringles" and a serine protease domain at the carboxy-terminus. Plasmin is primarily responsible for digesting fibrin clots. GMA-086 binds plasminogen and angiotatin by ELISA and western blot.

Description

Antibody Source: mouse monoclonal, IgG₁

Antigen Species Bound: human

Specificity: plasminogen

Immunogen: human plasminogen

Formulation and Storage

Purity: Purified by protein G affinity chromatography from serum-free cell culture supernatant.

Product Formulation: Lyophilized from a ≥ 1 mg/ml solution in 20 mM NaH₂PO₄ 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ($\epsilon_{0.1\%}$).

Reconstitution: Reconstitute with deionized water.

Storage: Store lyophilized or reconstituted and aliquoted material at -20°C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4°C.

Country of Origin: USA

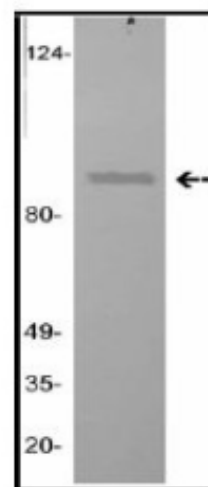
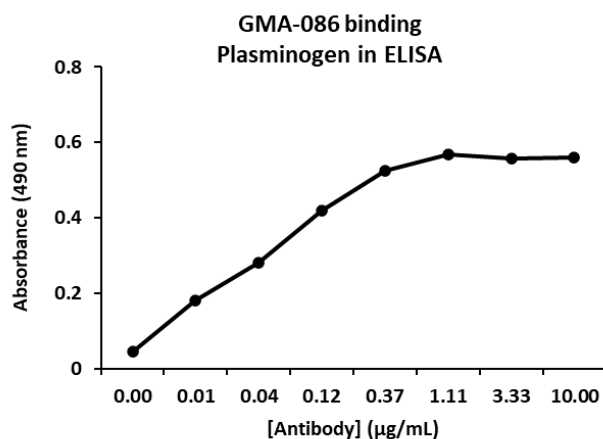
Size Options: 0.1 mg or 0.5 mg

Applications

Working Concentration: Approximately 1-5 μ g/ml. Researcher should titer antibody in specific assay.

ELISA: Binds plasminogen and angiotatin.

Immunoblotting: Binds plasminogen under reduced and non-reduced conditions.



References

- [1] H. Wang, J.A. Doll, K.Jiang., D.L. Cundiff, J.S. Czarnecki, M. Wilson, K.M. Ridge, G.A. Soff. Differential Binding of Plasminogen, Plasmin, and Angiotatin4.5 to Cell Surface β -Actin: Implications for Cancer-Mediated Angiogenesis. (2006). *Cancer Res.* 66(14):7211-7215.
- [2] G.A. Soff, H. Wang, D.L. Cundiff, K. Jiang, B. Martone, A.W. Rademaker, J.A. Doll, T. M. Kuzel. In vivo Generation of Angiotatin Isoforms by Administration of a Plasminogen Activator and a Free Sulfhydryl Donor: A Phase I Study of an Angiostatic Cocktail of Tissue Plasminogen Activator and Mesna. (2005). *Clin Cancer Res.* 11(17):6218-6225.