



Murine Anti-Antithrombin

Clone GMA-800

Antithrombin III (Mr 58,000) is a plasma protease inhibitor and member of the serpin gene family. Rates of antithrombin III-mediated inhibition of thrombin, factor Xa and factor IXa are accelerated by up to several 1000-fold by heparin. GMA-800 binds human antithrombin by ELISA. It does not cross react with bovine, canine or rabbit antithrombin. The antibody inhibits antithrombin activity in chromogenic thrombin assays.

Description

Antibody Source:	mouse monoclonal, IgG ₁
Antigen Species Bound:	human
Specificity:	antithrombin
Immunogen:	human antithrombin III

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 NaH ₂ PO ₄ 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 human antithrombin.
Immunoblotting:	Not recommended.
Inhibition:	Inhibits antithrombin activity in chromogenic thrombin assays.

