Murine Anti-Protein S

Clone GMA-047

Protein S is a single-chain plasma glycoprotein (Mr 69,000) that plays an anticoagulant role in coagulation. In the presence of phospholipid and calcium ion, protein S acts as a cofactor for activated protein C inactivation of factors Va and VIIIa. In plasma, forty percent exists in a free form, and 60% is complexed to C4b-binding protein. GMA-047 binds Protein S in solid-phase ELISA and Western blot.

Description

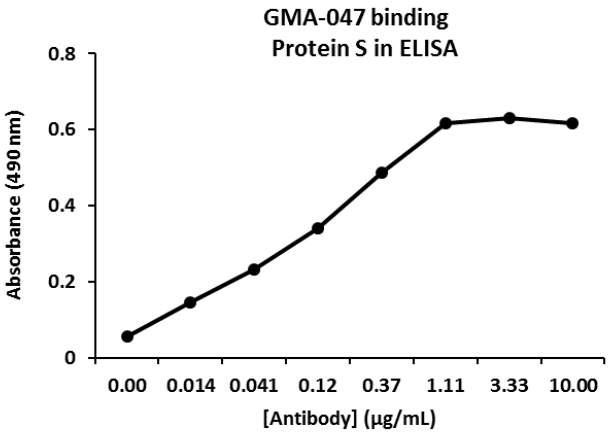
Antibody Source:	mouse monoclonal, IgG_1
Antigen Species Bound:	human
Specificity:	human Protein S
Immunogen:	human Protein S

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_2PO_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 ($\varepsilon_{0.1\%}$).
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 µg/ml. Researcher should titer antibody in specific assay.
ELISA:	Binds human Protein S.
Immunoblotting:	Binds human Protein S under reduced conditions.



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