



Murine Anti-Protein S

Clone GMA-046

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-046 binds Protein S in solid-phase ELISA.

Description

Antibody Source: mouse monoclonal, IgG₁

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 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: 0.1mg or 0.5 mg

Applications

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

ELISA: Binds human Protein S.

Immunoblotting: Not recommended.

