
Protein S (8D5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250397

Unit: 0.2 mg

Description:

Protein S is a vitamin K-dependent, potent neutral anticoagulant plasma glycoprotein. Protein S has a molecular weight of approximately 70 kDa and consists of a single polypeptide chain. The concentration of protein S in human plasma is 25 µg/ml, with a half-life of approximately two days. About 40% of protein S in plasma is in a free form, whereas 60% is complexed with C4b-binding Protein (C4BP). Only the free protein S functions as a cofactor to antigen presenting cells (APC) in the APC-dependent degradation of Factor Va and Factor VIIIa. This antibody is specific for human protein S.

Isotype: Mouse IgG2b/k

Applications: E

Species Reactivity: H

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Vitamin K-dependent protein S; PROS1; PROS

Accession No.: P07225

Antigen: Protein S isolated from human plasma

Application Notes: Product Cat. No. 250397 reacts strongly in sandwich ELISA with protein S and a biotin-labeled antibody. Antibody binding is calcium-dependent and is optimal at 1 mM CaCl₂ in Tris buffer. SDS-treatment abolishes the reactivity in dot blot. E: 1:20,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.