
Protein C (6B2) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250398

Unit: 0.2 mg

Description:

Protein C is a vitamin K-dependent serine protease that is produced in the liver and made up of 2 polypeptide chains. The 62 kDa proenzyme is activated by thrombin bound to an endothelial surface receptor and the active enzyme cleaves factor Va and VIIIa inhibiting blood coagulation. The molecular weight of the active enzyme is 55kDa and the normal concentration in human plasma is approximately 1-3 ng/ml while the concentration of the proenzyme is approximately 3 µg/ml due to the very fast turnover. This antibody reacts with human protein C.

Isotype: Mouse IgG1/k

Applications: E, WB

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 C; Autoprothrombin IIA; Anticoagulant protein C; Blood coagulation factor XIV

Accession No.: P04070

Antigen: Protein C isolated from human plasma and adsorbed onto aluminum hydroxide gel

Application Notes: Product Cat. No. 250398 binds to protein C in sandwich ELISA with a biotin-labeled antigen as detection antibody. Antibody binding is calcium-dependent and optimal at 2.5 mM CaCl₂ in Tris buffer. Product Cat. No. 250398 reacts in western blot with protein C in non-reduced form only. E: 1:2,000; WB: 1:200

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.