
Thrombin (5G9) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250341

Unit: 0.2 mg

Description:

Thrombin is the active enzyme that splits fibrinogen into fibrin in final stage of blood coagulation. It is generated from its circulating inactive precursor, prothrombin, by the action of factor Xa aided by factor Va, phospholipid and calcium ions. Thrombin is a glycoprotein formed by a 6-kDa A chain linked by a disulfide bridge to a 31-kDa B chain which carries the serine protease catalytic site. This antibody binds to human thrombin and to complexes of human thrombin with the thrombin inhibitor hirudin. No cross-reaction is seen with prothrombin. Cross-reactivity with thrombin from other species has not been tested.

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: Coagulation factor II

Accession No.: P00734

Antigen: Thrombin isolated from activated human plasma and adsorbed onto aluminum hydroxide gel.

Application Notes: Product Cat. No. 250341 binds to human thrombin and to complex of human thrombin with the thrombin inhibitor hirudin. No cross-reaction is seen with prothrombin. Cross-reactivity with thrombin from other species has not been tested. The antigenicity of thrombin is lost by biotinylation. E: 1:500; WB: 1:100

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.