

Polyclonal Antibody to Thrombin - Azide Free

Catalog No.:	BP2112
Quantity:	1 mg
Concentration:	18 mg/ml (OD280 , E1%=14)
Background:	Thrombin is an active enzyme in the earliest steps of the blood clot formation, generated from its circulating inactive precursor prothrombin. Thrombin is a glycoprotein formed by two peptides chains of 36 and 259 amino acids linked by disulfure bonds. Three important sites have been identified on the surface of the enzyme: The catalytic site that confers to the molecule its serine protease activity, the exosite one responsible for the binding of the substrate (fibrinogen or thrombin receptor) and the exosite two responsible for the binding of antithrombin III and inactivation of thrombin. The molecular mass of thrombin is 37 kDa.
Host:	Sheep
Immunogen:	Purified Human Thrombin (derived from purified prothrombin).
Format:	State: Liquid purified Ig fraction. Purification: Caprylic Acid Precipitation. Buffer System: 10 mM Hepes, 0.05 M NaCl, pH 7.4, 50% Glycerol without preservatives.
Applications:	Suitable for use in ELISA. May be used for Affinity purification. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with Purified Thrombin and Prothrombin. Recognizes 150,000 molecular weight protein. Cross-reacts with Human and Mouse.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.