

AM05112PU-N**Monoclonal Antibody to Thrombin - Purified**

Quantity:	0.1 mg
Concentration:	6.1 mg/ml (OD280nm, E ¹ % = 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 / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	BDI905
Immunogen:	Purified human thrombin
Format:	State: Liquid purified Ig Purification: >95% pure (SDS-PAGE). Ammonium sulfate precipitation, ion-exchange chromatography and gel filtration Buffer System: 50% Glycerol/water (vol/vol)
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Thrombin. Cross-reactivity with prothrombin is negligible. Species: Human. Other species not tested.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.