

## Datasheet for ABIN264120

### **anti-alpha-Thrombin antibody**



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#### Overview

Quantity:	0.1 mg
Target:	alpha-Thrombin
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	Purified human thrombin
Clone:	BDI905
Isotype:	IgG1
Purification:	Ammonium sulfate precipitation, ion-exchange chromatography and gel filtration
Purity:	> 95 % pure (SDS-PAGE)

#### Target Details

Target:	alpha-Thrombin
Alternative Name:	Thrombin ( <a href="#">alpha-Thrombin Products</a> )
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

## Target Details

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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.

## Application Details

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Application Notes:	ELISA.  Other applications not tested.  Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

## Handling

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Concentration:	4.4mg/mL (OD280nm, E1% = 14)
Buffer:	50 % Glycerol/water (vol/vol)
Storage:	-20 °C
Storage Comment:	Store the antibody at -20 °C. Avoid repeated freezing and thawing.  Shelf life: one year from despatch.
Expiry Date:	12 months