

Mouse Thrombin alpha - Purified

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| Catalog No.: | AR00141PU-N |
| Quantity: | 50 µg |
| Concentration: | 1.19mg/ml (OD280nm, E1% = 18.3) |
| 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. |
| Species: | Mouse |
| Source: | Plasma, Mouse plasma |
| Format: | State: Liquid purified Purity: 95% pure (SDS-PAGE). Column chromatography after activation by prothrombinase complex Buffer System: 50% Glycerol/water (v/v) |
| Applications: | Suitable for use in fibrinogen clotting assays. This product may contain residual ammonium sulfate and may require dialysis prior to use in applications that are sensitive to the presence of free amines. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Description: | Mouse alpha Thrombin Molecular weight: 36.7 kDa |
| Storage: | Store the protein at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |