

# Plasminogen Polyclonal Antibody

Catalog NumberPA1-74047

Product data sheet

Details		Species Reactivity	
Size	5 mg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	ELISA (ELISA)	Assay-dependent
Type	Antibody	Immunoelectrophoresis (IE)	Assay-dependent
Immunogen	Plasminogen from human plasma.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	5 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

## Product specific information

PA1-74047 detects Plasminogen from human samples. PA1-74047 has been successfully used in ELISA and immunoelectrophoresis applications. The PA1-74047 immunogen is Plasminogen from human plasma.

## Background/Target Information

Plasminogen is a plasma protein synthesized mostly in the liver. It consists of a single polypeptide chain and has a molecular weight of 88.5 kDa. The plasma concentration is usually in the range of 70 - 200 mg/L. Plasminogen is activated by tissue-plasminogen activator, urokinase and streptokinase, to form plasmin. Activation results from the cleavage and release of the preactivation peptide. Plasmin consists of a heavy (A-) chain which contains 5 kringles and a light (B-) chain with the active site. Plasmin is a trypsin-like protease whose natural substrate is fibrin, with binding sites for fibrin residing on the kringles. Plasmin is essential for fibrinolysis and decreased fibrinolytic potential due to congenital defects in plasmin can lead to recurring thrombosis, thrombophlebitis and pulmonary embolism.

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