

**Catalog No. LF-MA0170**

**MONOCLONAL ANTIBODY**



## Anti-Plasminogen (10A1)

**Background :** Plasminogen, a 92kDa glycoprotein, is produced by the liver and is present in plasma and extracellular fluids. Plasminogen is the inactive precursor of plasmin, a potent serine protease involved in the dissolution of fibrin blood clots. Plasminogen can be converted into the active plasmin by plasminogen activators urokinase (uPA), tissue plasminogen activator (tPA), factor XII-dependent components. The plasmin system has been implicated in a variety of physiological and pathological processes such as fibrinolysis, tissue remodeling, cell migration, inflammation, and tumor invasion and metastasis. Hereditary defects of plasminogen is a predisposing risk factor for thromboembolic disease.

**Immunogen :** Protein purified from Human plasma

**Host :** mouse

**Clone number :** 10A1

**Isotype :** IgG1, k

**Size :** 100  $\mu$ l

**Compositon :** Hepes with 0.15M NaCl, 0.01% BSA, 0.05% Sodium azide and 50% glycerol

**Positive control :** Human plasma

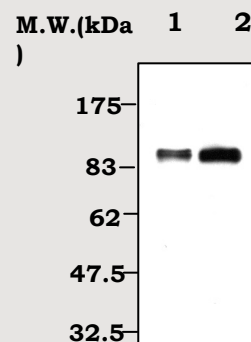
**Storage :** Store for 1 year at  $-20^{\circ}\text{C}$  from date of shipment

### Species cross reactivity

**Human**  
+

**Mouse**  
NT

**Rat**  
NT



**Immunoblot Analysis** of human plasma protein

Lane 1 : plasminogen isolated from human plasma

Lane 2 : Human plasma

### Applications :

ELISA

Western blotting (1:1,000)

### Background Reference :

1) Wun TC. Crit Rev Biotechnol. 1988; vol.8(2): pp.131-48.

2) Castellino FJ, Ploplis VA. Thromb Haemost. 2005; vol.93(4): pp.647-54.

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