uPA (Urokinase-type Plasminogen Activator) Ab-2 (Clone 7-18)
Mouse Monoclonal Antibody
Cat. #MS-835-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-835-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-835-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-labeled Ab with BSA and Azide)
Cat. #MS-835-PCL (0.1ml) (Positive Control for Western Blot)

Description: Urokinase-type plasminogen activator (uPA) is secreted as a precursor which is activated to the two-chain form consisting of an A and B-chain. The active high MW form is further processed by removal of an amino-terminal fragment to an active low MW form (~35kDa). uPA is a serine protease that activates plasminogen to plasmin. High levels of uPA and plasminogen activator inhibitor type 1 (PAI-1) in breast cancer tissue extracts have been associated with rapid disease progression. The malignant phenotype of prostatic tumor cells correlates with the expression of both uPA and its cell-membrane receptor (uPAR).

Mol. Wt. of Antigen: ~35kDa (active) and ~55kDa (proform)

Epitope: Not determined

Species Reactivity: Human. Others-not known.

Clone Designation: 7-18

Ig Isotype / Light Chain: IgG1 / κ

Immunogen: Active form of human uPA

Applications and Suggested Dilutions:
- Effect on Dissolution of Fibrin (80-90% Inhibitory)
- Western Blotting (1-2µg/ml for 2 hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Conditioned, serum-free medium from (TPA-treated) human fetal lung cell line HFL-1.

Cellular Localization: Cytoplasmic, cell surface and extracellular matrix.

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Key References:

Limitations and Warranty:
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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