

## PLAU monoclonal antibody

Catalog: MB23298

Host: Mouse

Reactivity: Human

### BackGround:

This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

48.5KDa

### Swiss-Prot:

P00749

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IF:1/200 - 1/1000 FC:1/200 - 1/400

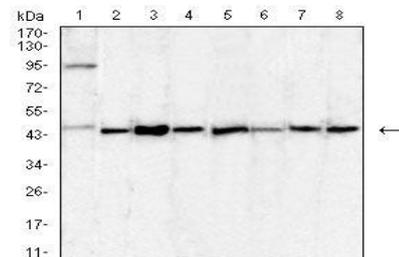
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

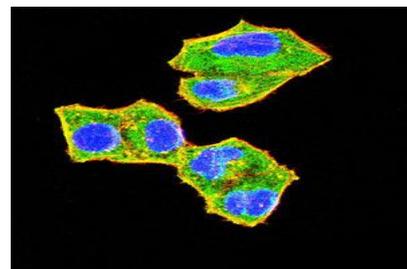
### Isotype:

Mouse IgG1

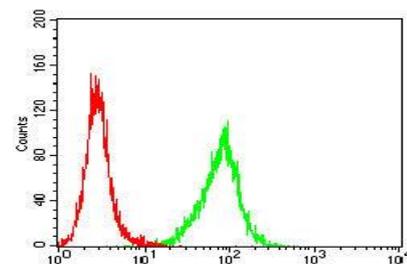
### DATA:



Western blot analysis using PLAU mouse mAb against PC-3 (1),MCF-7 (2), LNCap (3),DU145 (4),HCT116 (5),A549 (6),SK-OV-3 (7) and HEK293 (8) cell lysate.



Immunofluorescence analysis of HeLa cells using PLAU mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using PLAU mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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