

## PLAU Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA3959
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human PLAU (AA: 107-379) expressed in E. Coli.
<b>Mol wt</b>	48.5KDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	ATF;QPD;UPA;URK;u-PA;BDPLT5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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.

### Recommended Dilution

WB: 1:500 - 1:2000

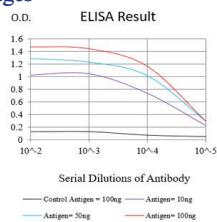
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

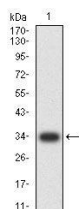
ELISA: 1:10000

Not yet tested in other applications.

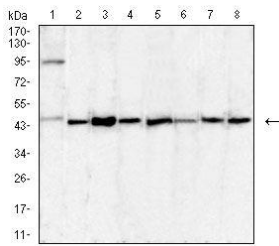
### Images



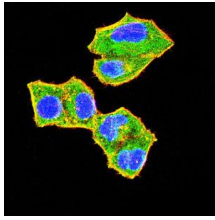
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



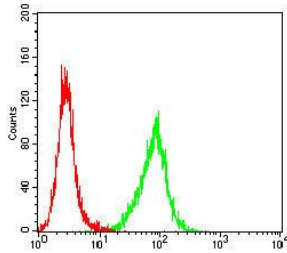
Western blot analysis using PLAU mAb against human PLAU (AA: 107-379) recombinant protein. (Expected MW is 34 kDa)



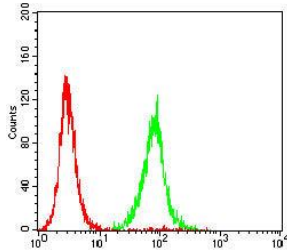
Western blot analysis using PLAU mouse mAb against PC-3 (1),MCF-7 (2), LNCap (3),DU145 (4),HCT116 (5),A549 (6),SK-OV-3 (7) and HEK293 (8) cell lysate.



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).



Flow cytometric analysis of HepG2 cells using PLAU mouse mAb (green) and negative control (red).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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