

Datasheet for ABIN6719975

**PLAU ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	1 kit
Target:	PLAU
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:** Synonyms: ATF, BDPLT5, Plasminogen activator urinary, PLAU, QPD, u PA, U-plasminogen activator, uPA, URK, UROK\_HUMAN, Urokinase-type plasminogen activator chain B

Background: Plasminogen activator,urokinase(PLAU, uPA) converts plasminogen to plasmin. Plasmin is involved in processing of amyloid precursor protein and degrades secreted and aggregated amyloid-beta, a hallmark of Alzheimer disease(AD). Urokinase has a molecular mass of about 54 kD and is composed of 2 disulfide-linked chains, A and B, of molecular masses 18 kD and 33 kD, respectively. It localized on 10q24. uPA facilitates cell migration by localizing proteolysis on the cell surface and by inducing intracellular signalling pathways. In

## Product Details

human vascular smooth muscle cell(VSMC), uPA stimulates migration via the uPA receptor(uPAR) signalling complex containing TYK2 and phosphatidylinositol 3-kinase(PI3-K).

Gene Name: PLAU

Production: Natural and recombinant human Upa. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M1-L431

## Target Details

Target:	PLAU
Alternative Name:	uPA - PLAU ( <a href="#">PLAU Products</a> )
Gene ID:	5328
NCBI Accession:	<a href="#">NP_001138503</a>
UniProt:	<a href="#">P00749</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human uPA standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human uPA standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5pg/mL-4000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	RT, 4 °C, -20 °C
----------	------------------

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

