

Human uPA ELISA Kit | PLAU elisa kit

Human uPA ELISA Kit

CATALOG # AAA106083	REACTIVITY Human	APPLICATIONS ELISA
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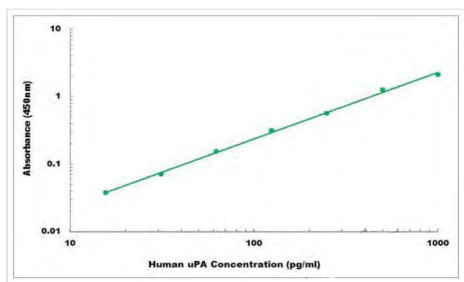
PRODUCT SYNONYMS

uPA; Human uPA ELISA Kit; Urokinase-type plasminogen activator; U-plasminogen activator; PLAU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human uPA ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human uPA proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	414
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 7 pg/ml
Applicable Applications for PLAU elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAU elisa kit	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 human vascular smooth muscle cell (VSMC), uPA stimulates migration via the uPA receptor (uPAR) signalling complex containing TYK2 and phosphatidylinositol 3-kinase (PI3-K). Principle of the Assay: The Human uPA ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human uPA in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human uPA coated on a 96-well plate. Standards and samples are pipetted into the wells and uPA present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human uPA antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of uPA bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222537759
NCBI GeneID	5328
NCBI Accession #	NP_001138503.1
NCBI GenBank Nucleotide #	NM_001145031.1
UniProt Accession #	P00749; Q15844; Q16618; Q53XS3; Q5SWW9; Q969W6; B4DPZ2
Molecular Weight	46,908 Da
NCBI Official Full Name	urokinase-type plasminogen activator isoform 2
NCBI Official Synonym Full Names	plasminogen activator, urokinase
NCBI Official Symbol	PLAU
NCBI Official Synonym Symbols	ATF; QPD; UPA; URK; u-PA; BDPLT5
NCBI Protein Information	urokinase-type plasminogen activator; U-plasminogen activator; plasminogen activator, urinary
UniProt Protein Name	Urokinase-type plasminogen activator
UniProt Gene Name	PLAU
UniProt Synonym Gene Names	U-plasminogen activator; uPA
UniProt Entry Name	UROK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.