

Rat Urokinase-Type Plasminogen Activator ELISA Kit | PLAU/uPA elisa kit

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CATALOG #
AAA101657

REACTIVITY
Rat

PRODUCT SYNONYMS

Urokinase-Type Plasminogen Activator; Rat Urokinase-Type Plasminogen Activator ELISA Kit; PLAU/uPA/PLAU/Urokinase/ATF/plasminogen activator; urokinase/UPA/u-PA/U-plasminogen activator/urinary/urokinase-type plasminogen activator; PLAU/uPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PLAU/uPA. No significant cross-reactivity or interference between PLAU/uPA and analogues was observed.
Sequence Length	345
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLAU/uPA were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLAU/uPA were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a PLAU/uPA ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.038	0.263	0.457	0.659	1.086	1.667	2.109	2.467

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAU/uPA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PLAU/uPA antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PLAU/uPA antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PLAU/uPA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PLAU/uPA can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	984290529
NCBI GeneID	5328
NCBI Accession #	NP_001306120.1
NCBI GenBank Nucleotide #	NM_001319191.1
Molecular Weight	46,908 Da
NCBI Official Full Name	urokinase-type plasminogen activator isoform 3
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
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.

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Online datasheet: <https://stage.aaabiotech.com/plau-upa-rat-elisa-kits/urokinase-type-plasminogen-activator/101657>