

## General uPA functional assay ELISA Kit | PLAU elisa kit

Active human uPA functional assay ELISA Kit

CATALOG #  
**AAA37743**

REACTIVITY  
**General**

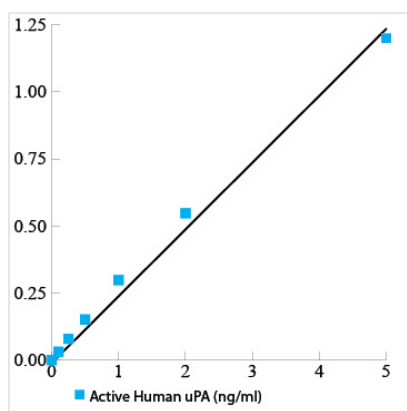
### PRODUCT SYNONYMS

uPA functional assay; Active human uPA functional assay ELISA Kit; PLAU elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                                                                                                         |
| Specificity             | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                                |
| Form/Format             | Complete Kit                                                                                                                                                                                                                                                    |
| Sequence Length         | 414                                                                                                                                                                                                                                                             |
| Samples                 | Human plasma                                                                                                                                                                                                                                                    |
| Sensitivity             | The minimum detectable dose (MDD) was determined by adding two standard deviations to the mean optical density value of twenty-two zero standard replicates (range OD450: 0.05-0.055) and calculating the corresponding concentration. The MDD was 0.015 ng/ml. |
| Intra-assay Precision   | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                                |
| Inter-assay Precision   | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                                |
| Preparation and Storage | Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PLAU elisa kit | <p><b>Intended Uses:</b> Human uPA activity assay is intended for the quantitative determination of active urokinase plasminogen activator in human plasma. For research use only.</p> <p><b>Principle of the Assay:</b> Functionally active uPA present in plasma will form a covalent complex with the biotinylated human PAI-1 which is bound to the avidin on the plate. Latent or complexed uPA will not bind to the plate and will not be detected. Unbound uPA samples are washed away and an anti-uPA primary antibody is added. Excess primary antibody is washed away and bound antibody is then reacted with the horseradish peroxidase secondary antibody. Following an additional washing step, TMB is then used for color development at 450nm. The amount of color development is directly proportional to the concentration of active uPA in the sample.</p> <p><b>Background:</b> Urokinase plasminogen activator, along with its receptor uPAR, initiates a proteolytic cascade that results in the conversion of plasminogen to plasmin [1]. Clinical studies have indicated that high uPA levels may elevate the risk for tumor invasion and metastasis [2,4]. Increased expression and activity can exert potent arthritogenic properties in rheumatoid arthritis patients [3]. Increased uPA activity may be an implication for the pathophysiology of endometriosis [5].</p> |
| Product Categories/Family for PLAU elisa kit   | Urokinase (uPA); Human uPA ELISA Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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                 | 48,507 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.

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Online datasheet: <https://stage.aaabiotech.com/plau-general-elisa-kits/upa-functional-assay/37743>