

## Human urokinase plasminogen activator, uPA ELISA Kit | uPA elisa kit

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CATALOG #  
**AAA80584**

REACTIVITY  
**Human**

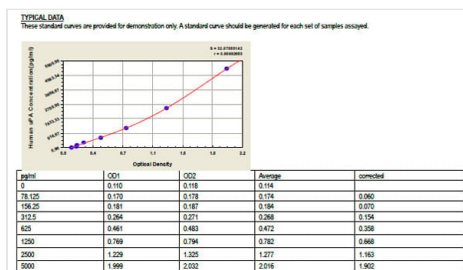
### PRODUCT SYNONYMS

urokinase plasminogen activator; uPA; Human urokinase plasminogen activator; uPA ELISA Kit; uPA ELISA kit; uPA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human uPA. No significant cross-reactivity or interference between human uPA and analogues was observed.                                                                                                                                                                       |
| Sequence Length         | 411                                                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                                                         |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range         | 78 pg/ml-5000 pg/ml.                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | The minimum detectable dose of human uPA is typically less than 19.5 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                                                                                                                                                          |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                                                                                                                                                                                   |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for uPA elisa kit | <b>Principle of the assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for uPA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any uPA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for uPA is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of uPA bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 56068043                                                                                      |
| NCBI GeneID                      | 5328                                                                                          |
| UniProt Accession #              | P00749; Q15844; Q16618; Q53XS3; Q5SWW9; Q969W6; B4DPZ2                                        |
| Molecular Weight                 | 46,908 Da                                                                                     |
| NCBI Official Full Name          | urokinase plasminogen activator, partial                                                      |
| 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/human-elisa-kits/urokinase-plasminogen-activator-upa/80584>