

uPA assay kit

Human uPA total antigen ELISA assay

CATALOG #
AAA71830

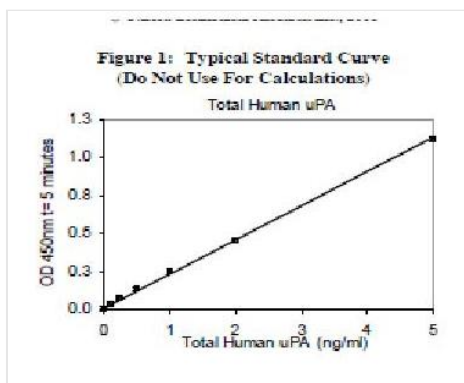
PRODUCT SYNONYMS

uPA; Human uPA total antigen ELISA assay; Human uPA Total Antigen ELISA; uPA assay kit

PRODUCT SPECIFICATIONS

Procedural Notes	1. Use aseptic technique when opening and dispensing reagents. 2. This kit is designed to work properly as provided and instructed. Additions, deletions, or substitutions to the procedure or reagents are not recommended, as they may be detrimental to the assay. 3. Exercise universal precautions during the performance or handling of this kit or any component contained therein.
Sample Collection and Preparation	Samples of human plasma, serum, urine, cell culture media, or tissue extracts may be applied directly to the plate. The assay measures total uPA in the 0.1-50 ng/ml range. Samples giving uPA levels above 50ng/ml should be diluted in plasma or similar fluid devoid of uPA.
Reagent Preparation	1. Dilute the 50 mL of 10x Wash Buffer concentrate to 1x with 450 mL of DI water prior to use. 2. Prepare 100 mL of TBS Buffer: 0.1 M Tris-HCL, 0.15 M NaCl, pH 7.4 3. Prepare 20 mL of 3% BSA Blocking Buffer: 3% BSA in TBS Buffer
Standard Preparation	Reconstitute the Standard according to the attached dilution table. Do not prepare the Standards until you are ready to apply them to the plate.
Preparation and Storage	1. Store this kit and its components at 4 degree C until use. 2. Reconstituted standards and primary may be stored at -70C for later use. DO NOT freeze/thaw the Standards and Primary Antibody more than once.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for uPA assay kit	Introduction: Human uPA total antigen assay is intended for the quantitative determination of total plasminogen activator antigen in biological fluids. Urokinase plasminogen activator is a serine protease that activates plasminogen to plasmin in the blood fibrinolytic system. It is also implicated in events related to cell invasion/migration (1). Principle of assay: Human uPA will bind to the capture antibody coated on the microtiter plate. Free and complexed enzyme will react with the capture antibody on the plate. After appropriate washing steps, polyclonal anti-human uPA primary antibody binds to the captured enzyme. Excess antibody is washed away and bound polyclonal antibody is then reacted with the secondary antibody conjugated to horseradish peroxidase. TMB substrate is used for color development at 450 nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of uPA.
References	1. Kjølner, L: (2002) Biol. Chem.; 383: 5-19 2. Binnema, D.J., et al.: (1986) Thromb. Res.; 43(5): 569-577 3. Kondera-Anasz, Z., et al.: (2000) Med. Sci. Monit.; 6(3): 616-617 4. Ferrier, C.M., et al.: (1999) British Journal of Cancer; 79(9/10): 1534-1541 5. Singh, I., et al.: (2003) Circulation; 107(6): 869-875 6. Yang, Y.H., et al.: (2001) J. Immunol.; 167(2): 1047-1052

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/assay-kits/upa/71830>