

PLAU (Human) Chromogenic Activity Assay Kit (Indirect Assay)

Cat. No. Kit-0703 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLAU (Human) Chromogenic Activity Assay Kit (Indirect Assay) is developed to determine human PLAU activity in plasma and cell culture supernatants.
Description	Urokinase-type plasminogen activator (uPA) is a highly restricted serine protease that converts the zymogen plasminogen to active plasmin, a broad-spectrum serine proteinase capable of degrading most of the major protein components of the extracellular matrix. Binding of uPA to its receptor and subsequent uPA mediated pericellular proteolysis are involved in many process including cell migration and tissue remodeling in angiogenesis, atherogenesis, tumor cell metastasis, and ovulation. High level of uPA is a poor prognostic marker for aggressive breast cancer, aggressive prostate cancer, bladder cancer and gastric cancer.
Target Species	Human
Usage	For research use only (RUO)
Storage	Upon arrival, immediately store components of the kit at recommended temperatures up to the expiration date. Store Standard, Plasminogen, and Plasmin Substrate at -20°C. Store Microplate and Assay Diluent at 2-8°C. Unused microplate wells may be returned to the pouch and resealed. Opened Assay Diluent may be stored for up to 30 days at 2-8°C.
Kit Components	Microplate: One 96-well polystyrene microplate. 96 (8x12) well Sealing Tapes:

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slices
Assay Diluent: Ready to use diluent. 30 mL
Human uPA Standard: Human high molecular weight uPA (30 IU, lyophilized). 1 vial
Human plasminogen: Lyophilized. 1 vial
Plasmin Substrate: Lyophilized. 2 vials

**Compatible Sample
Types**

Cell Culture Supernatant, Plasma, Serum

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