CREATIVE BIOMART®
Assay Kit

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

Product Information

Cat.No. Kit-0703

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 angiogeenesis, 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) wellSealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slicesAssay Diluent: Ready to use diluent. 30 mLHuman uPA Standard: Human high molecular weight uPA (30 IU, lyophilized). 1

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vialHuman plasminogen: Lyophilized. 1 vialPlasmin Substrate: Lyophilized. 2 vials

Compatible Sample Types

Cell Culture Supernatant, Plasma, Serum

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