CREATIVE BIOMART®
Assay Kit

PLAT (Human) Chromogenic Activity Assay Kit

Product Information

Cat.No. Kit-0701

Product Overview

PLAT (Human) Chromogenic Activity Assay Kit is developed to determine human PLAT activity in cell culture supernatants.

Description

Tissue-type plasminogen activator (tPA) is a 68 kDa serine protease that converts the zymogen plasminogen into the active serine protease plasmin, which digests fibrin and induce the dissolution of fibrin clots. tPA is synthesized by endothelial cells in normal blood vessels and displays relatively high affinity for fibrin, suggesting that it functions predominately in physiological thrombolysis in vivo. High level of tPA is a good prognostic marker for breast cancer. tPA may minimize the formation of metastasis by preventing tumor cell adherence at sites of trauma. On the other hand, gastrointestinal cancer is accompanied by a decrease in tPA.

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 Plasminogen, Standard, and Plasmin Substrate at -20°C.Store Microplate and Assay Diluent at 2-8°C. Unused microplate wells may be stored and resealed.

Kit Components

Microplate: One 96-well polystyrene microplate (12 strips of 8 wells). 96 (8x12) wellsSealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slicesAssay Diluent 30 mLtPA Standard: human tPA (32 IU). 1 vialHuman Plasminogen 1 vialPlasmin Substrate 2 vials

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Compatible Sample Types

Cell Culture Supernatant, Plasma

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