CREATIVE BIOMART®
Assay Kit

SERPINE1 (Human) Chromogenic Activity Assay Kit

Product Information

Cat.No. Kit-0782

Product Overview

SERPINE1 (Human) Chromogenic Activity Assay Kit is developed to determine human SERPINE1 activity in cell culture supernatants.

Description

Type I plasminogen activator inhibitor (PAI-1) is a 50 kDa serpin family member that inhibits tissue- and urokinase-type plasminogen activators (tPA, uPA). This protein appears to be an important regulator of plasminogen activation by tPA and extracellular proteolysis by uPA. The plasminogen activator proteolytic enzyme systems are important not only for fibrinolysis but also for extracellular matrix remodeling and have been implicated in a number of normal and pathological processes including angiogenesis, ovulation and embryogenesis, thrombotic and hemorrhagic disorders, connective tissue diseases, neoplasm, and sepsis. PAI-1 is a prognosticator in breast cancer, gastric cancer, various forms of lung cancer, and cervical cancer.

Target Species

Human

Usage

For research use only (RUO)

Storage

Store components of the kit 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 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 (12 strips of 8 wells). 96(8x12) wellsSealing Tapes: Precut, pressure sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slices Assay Diluent 30 mlHuman tPA Standard: Lyophilized (48 IU). 2 vialsHuman Plasminogen:

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