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Datasheet for ABIN6719753

PLAT ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	PLAT
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Alteplase, Plasminogen activator tissue, Plasminogen activator tissue type, PLAT, Reteplase, t-PA, T-plasminogen activator, Tissue-type plasminogen activator chain B, tPA, TPA_HUMAN</p> <p>Background: Plasminogen activator, tissue, also called PLAT or TPA is a serine protease. This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator is synthesized as a single chain which is cleaved by plasmin to a two chain disulfide linked protein. This gene was mapped to 8p11.21. This enzyme plays a role in cell migration and</p>

Product Details

tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding, decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism.

Gene Name: PLAT

Production: Natural and recombinant human PLAT. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: M1-P562

Target Details

Target:	PLAT
Alternative Name:	PLAT - TPA (PLAT Products)
Gene ID:	5327
NCBI Accession:	NP_000921
UniProt:	P00750
Pathways:	Autophagy , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling , SARS-CoV-2 Protein Interactome

Application Details

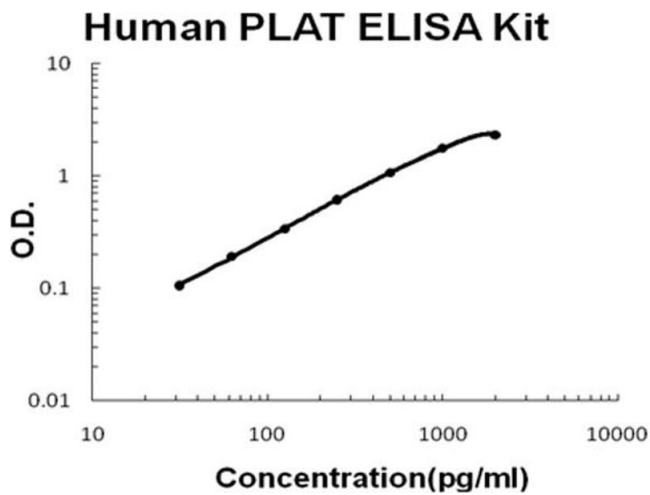
Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human PLAT standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma (heparin, EDTA, citrate) or urine to each empty well. It is recommended that each human PLAT standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 12/25/18 -20° C - 06/25/19</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human PLAT/TPA Accusignal ELISA Kit Human PLAT/TPA AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.