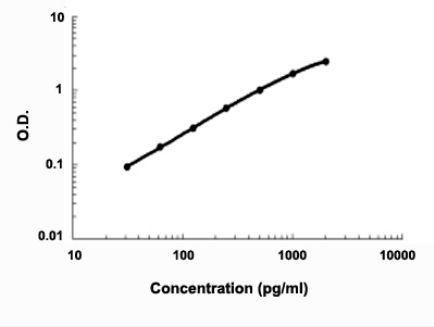
PLAT (Human) ELISA Kit

Catalog # KA3894 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PLAT (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human PLAT.
Suitable Sample	Cell culture supernates, serum, plasma (heparin, EDTA, citrate) and urine
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	31.2 to 2000 pg/ml
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — PLAT

Entrez GeneID	5327
Gene Name	PLAT
Gene Alias	DKFZp686I03148, T-PA, TPA
Gene Description	plasminogen activator, tissue
Omim ID	173370
Gene Ontology	Hyperlink
Gene Summary	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 i s synthesized as a single chain which is cleaved by plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity cau ses hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibr inolysis which can result in thrombosis or embolism. Alternative splicing of this gene results in mult iple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	alteplase|plasminogen activator, tissue type|reteplase|t-plasminogen activator|tissue plasminogen activator (t-PA)

Pathway

- Complement and coagulation cascades

Disease

- Alzheimer disease
- Amphetamine-Related Disorders
- Aneurysm
- Arterial Occlusive Diseases

- Arteriosclerosis
- Arthritis
- Atherosclerosis
- Brain Infarction
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Cerebral Palsy
- Cerebrovascular Accident
- Chorioamnionitis
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Duodenal Ulcer
- Edema
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Hearing Loss
- Hypertension
- Infection
- Inflammation
- Intracranial Embolism and Thrombosis

- Ischemia
- Kidney Failure
- Metabolic Syndrome X
- Musculoskeletal Diseases
- Myocardial Infarction
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Peptic Ulcer Hemorrhage
- Periodontitis
- Placenta Diseases
- Pneumoconiosis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Recurrence
- Skin Diseases
- Stomach Ulcer
- Stroke
- Subarachnoid Hemorrhage
- Thromboembolism
- Thrombophilia
- Thrombosis

- Thyroid Neoplasms
- Vascular Diseases
- Venous Thrombosis