

ARG81063 Human tPA (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81063 Human tPA (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human tPA (total) in plasma, serum, urine, cell culture media and tissue extracts.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	tPA
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	0.0372 ng/ml for blocking buffer and 0.0568 ng/ml for depleted plasma
Detection Range	0.02 - 10 ng/ml
Sample Type	Plasma, serum, urine, cell culture media and tissue extracts
Alternate Names	TPA; tPA; T-PA; t-plasminogen activator; t-PA; Tissue-type plasminogen activator; EC 3.4.21.68; Reteplase; Alteplase

Application Instructions

Properties

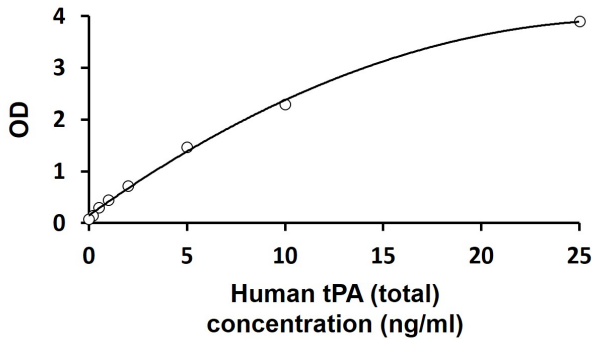
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5327 Human Swiss-port # P00750 Human
Gene Symbol	PLAT
Gene Full Name	plasminogen activator, tissue
Background	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 enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

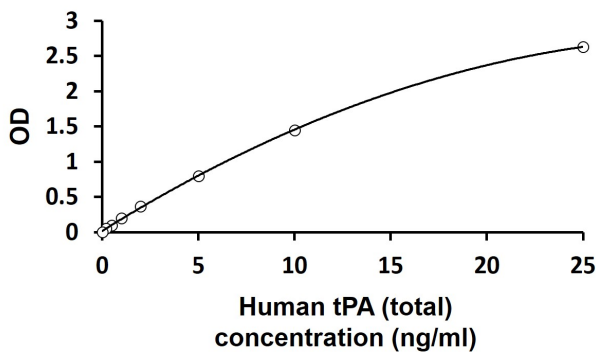
Function	Converts the abundant, but inactive, zymogen plasminogen to plasmin by hydrolyzing a single Arg-Val bond in plasminogen. By controlling plasmin-mediated proteolysis, it plays an important role in tissue remodeling and degradation, in cell migration and many other physiopathological events. Plays a direct role in facilitating neuronal migration. [UniProt]
Resrarch Area	Cancer kit; Cell Biology and Cellular Response kit; Metabolism kit

Images



ARG81063 Human tPA (total) ELISA Kit standard curve image

ARG81063 Human tPA (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm. (Total Human tPA in BSA)



ARG81063 Human tPA (total) ELISA Kit standard curve image

ARG81063 Human tPA (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm. (Total Human tPA in depleted plasma)