



Mouse Tissue-type Plasiminogen Actilyse,t-PA ELISA Kit

Product Code	CSB-E07918m
Abbreviation	PLAT
Protein Biological Process 1	Blood Coagulation
Target Name	plasminogen activator, tissue
Uniprot No.	P11214
Alias	DKFZp686I03148, T-PA, TPA, alteplase plasminogen activator, tissue type reteplase t-plasminogen activator tissue plasminogen activator (t-PA)
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Plasminogen activation
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	Plat
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse PLAT ELISA Kit was designed for the quantitative measurement of Mouse PLAT protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL.
Target Details	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.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse t-PA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	96
	Range %	93-99
1:2	Average %	104
	Range %	100-108
1:4	Average %	86
	Range %	83-90
1:8	Average %	104
	Range %	100-108

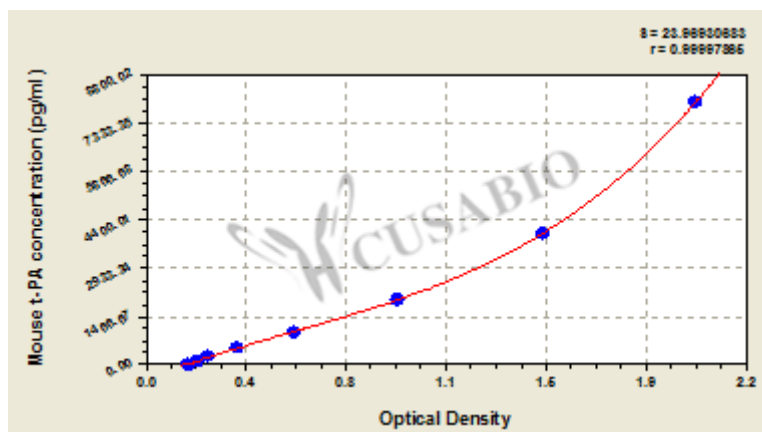
Recovery

The recovery of mouse t-PA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	89	85-93
EDTA plasma (n=4)	102	98-106

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
8000	2.076	2.000	2.038	1.865
4000	1.453	1.501	1.477	1.304
2000	0.947	0.938	0.943	0.770
1000	0.564	0.559	0.562	0.389
500	0.348	0.351	0.350	0.177
250	0.241	0.246	0.244	0.071
125	0.205	0.200	0.203	0.030
0	0.172	0.174	0.173	?

Msds

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