



Rat Plasminogen (Plg) ELISA kit

Product Code	CSB-E17250r
Abbreviation	Plg
Protein Biological Process 1	Blood Coagulation
Target Name	Plasminogen (Plg)
Uniprot No.	Q01177
Alias	RP1-81D8.1, DKFZp779M0222, plasmin
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Blood coagulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 ng/mL-4000 ng/mL
Sensitivity	15.6 ng/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	Plg
Tag Info	quantitative
Protein Description	Competitive
Description	<p>This Rat Plg ELISA Kit was designed for the quantitative measurement of Rat Plg protein in serum, plasma, tissue homogenates_x005f_x000D_. It is a Competitive ELISA kit, its detection range is 62.5 ng/mL-4000 ng/mL and the sensitivity is 15.6 ng/mL.</p>
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat Plg 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)
	Average %	96
1:100	Range %	86-103
	Average %	91
1:200	Range %	83-99
	Average %	95
1:400	Range %	82-97
	Average %	95
1:800	Range %	93-100

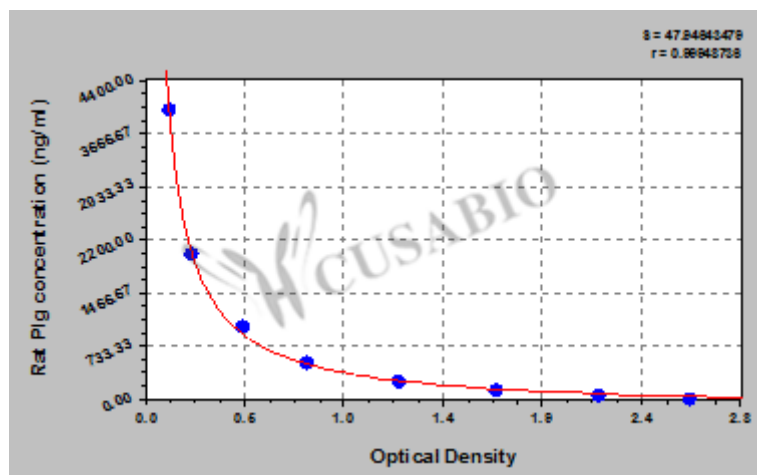
Recovery

The recovery of rat Plg 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)	96	91-102
EDTA plasma (n=4)	94	85-99

Typical

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



ng/ml	OD1	OD2	Average
4000	0.121	0.116	0.119
2000	0.223	0.230	0.227
1000	0.468	0.475	0.472
500	0.774	0.785	0.78
250	1.225	1.213	1.219
125	1.689	1.674	1.682
62.5	2.162	2.179	2.171
0	2.608	2.594	2.601