



Rat tissue factor(TF)/coagulation factor VII(F7) complex ELISA kit

Product Code	CSB-EQ027252RA
Abbreviation	TF
Target Name	tissue factor(TF)/coagulation factor VII(F7) complex
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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
Tag Info	quantitative
Protein Description	Sandwich

Description

The Rat Tissue Factor (TF)/Coagulation Factor VII (F7) Complex ELISA Kit is the perfect solution for researchers studying the cardiovascular system. This quantitative assay kit allows for the detection of TF/F7 complex in serum, plasma, and tissue homogenates of Rattus norvegicus (rat) samples.

With a detection range of 15.6 pg/mL to 1000 pg/mL and a sensitivity of 3.9 pg/mL, this ELISA kit provides accurate and reliable results for your research needs. The assay time is quick, ranging from 1-5 hours, and the sample volume required is only 50-100 ul.

The detection wavelength for this kit is 450 nm, providing high sensitivity and specificity for the measurement of TF/F7 complex in rat samples. The assay principle is based on the sandwich method, providing high specificity and accuracy for the detection of this complex.

The Rat Tissue Factor (TF)/Coagulation Factor VII (F7) Complex ELISA Kit is ideal for researchers working in the cardiovascular field, and provides a powerful tool for the study of TF/F7 complex in rat samples.

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 rat TF/F7 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 %	107
1:1	Range %	98-110
	Average %	103
1:2	Range %	96-107
	Average %	98
1:4	Range %	89-102
	Average %	105
1:8	Range %	98-110

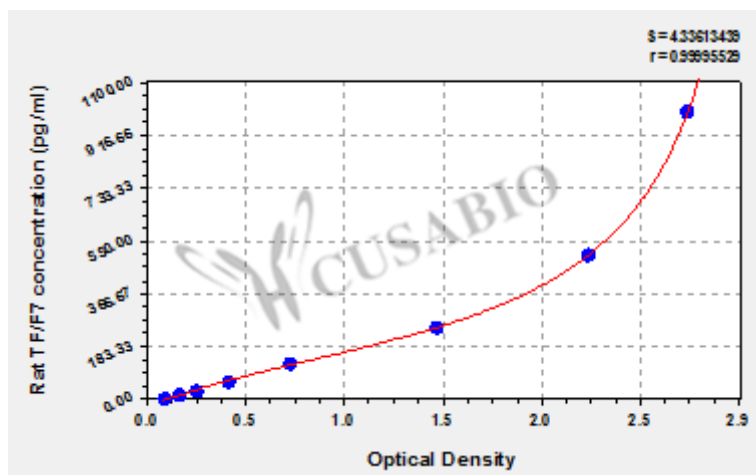
Recovery

The recovery of rat TF/F7 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)	91	85-96
EDTA plasma (n=4)	102	95-107

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
1000	2.708	2.673	2.691	2.589
500	2.243	2.150	2.197	2.095
250	1.419	1.469	1.444	1.342
125	0.702	0.734	0.718	0.616
62.5	0.412	0.425	0.419	0.317
31.2	0.251	0.263	0.257	0.155
15.6	0.167	0.172	0.170	0.068
0	0.101	0.103	0.102	?

Msds

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