



Rat Tissue factor,TF ELISA Kit

Product Code	CSB-E07914r
Abbreviation	F3
Protein Biological Process 1	Blood Coagulation
Target Name	coagulation factor III (thromboplastin, tissue factor)
Uniprot No.	P42533
Alias	CD142, TF, TFA, coagulation factor III tissue factor
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Blood coagulation
Sample Types	serum, urine, cell culture supernates, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Blood Coagulation
Gene Names	F3
Tag Info	quantitative
Protein Description	Sandwich
Description	<p>This Rat tissue factor (TF) ELISA Kit was designed for the quantitative measurement of Rat tissue factor (TF) protein in serum, urine, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL .</p>
Target Details	<p>This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed</p>



on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described.

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 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 %	102
1:1	Range %	91-106
	Average %	90
1:2	Range %	85-96
	Average %	93
1:4	Range %	89-100
	Average %	99
1:8	Range %	93-108

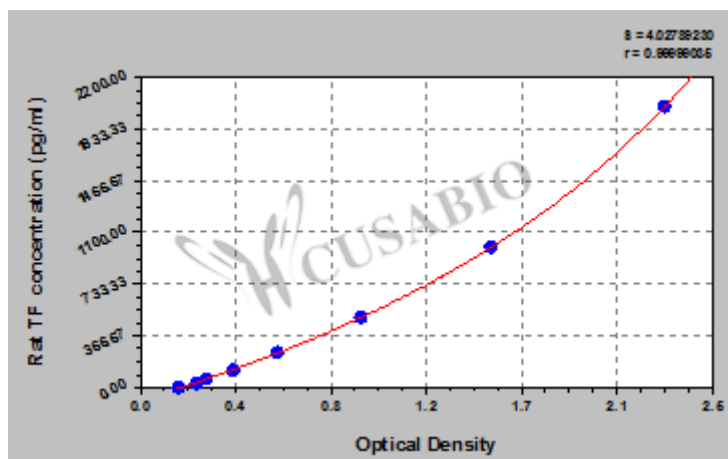
Recovery

The recovery of rat TF 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)	88	84-94
EDTA plasma (n=4)	103	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
2000	2.297	2.231	2.264	2.081
1000	1.573	1.471	1.522	1.339
500	0.999	0.924	0.962	0.779
250	0.618	0.593	0.606	0.423
125	0.405	0.425	0.415	0.232
62.5	0.293	0.310	0.302	0.119
31.25	0.249	0.264	0.257	0.074
0	0.177	0.188	0.183	?

Msds

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