Human tissue factor (TF) ELISA kit

Product Code	CSB-E07913h
Abbreviation	TF
Protein Biological Process 1	Blood Coagulation
Target Name	coagulation factor III (thromboplastin, tissue factor)
Uniprot No.	P13726
Alias	CD142, TF, TFA, coagulation factor III|tissue factor
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Blood coagulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 pg/mL-200 pg/mL
Sensitivity	0.78 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	F3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human tissue factor (TF) ELISA Kit was designed for the quantitative measurement of Human tissue factor (TF) protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL .
Target Details	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

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 human 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)
1:1	Average %	96
	Range %	92-100
1:2	Average %	88
	Range %	82-93
1:4	Average %	101
	Range %	98-104
1:8	Average %	94
	Range %	89-99

Recovery

The recovery of human 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)	98	93-103
EDTA plasma (n=4)	94	90-98

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.
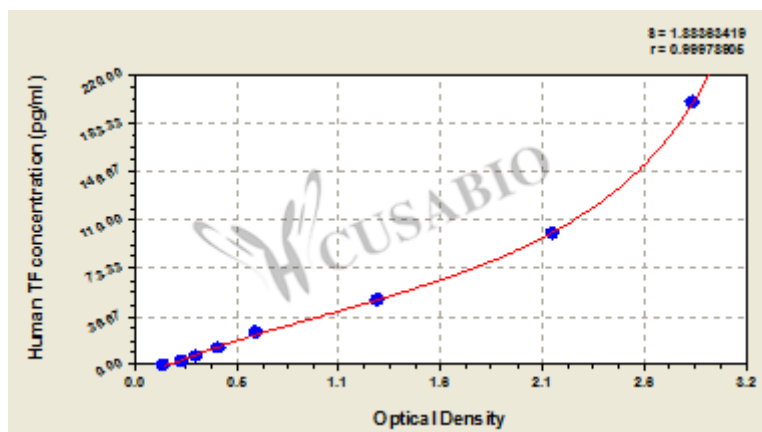
pg/ml	OD1	OD2	Average	Corrected
200	2.875	2.899	2.887	2.729
100	2.153	2.167	2.160	2.002
50	1.275	1.243	1.259	1.101
25	0.658	0.612	0.635	0.477
12.5	0.428	0.457	0.443	0.285
6.25	0.325	0.328	0.327	0.169
3.12	0.241	0.261	0.251	0.093
0	0.159	0.157	0.158	?

Msds

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