

Tissue Factor (Human) ELISA Kit

Catalog # KA0506

Size 1 Kit

Specification

Product Description	Tissue Factor (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human Tissue Factor.
Suitable Sample	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Extracts
Sample Volume	50 μ L
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	12.5 to 400 pg/mL
Limit of Detection	3.3 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — F3

Entrez GeneID [2152](#)**Gene Name** F3

Gene Alias	CD142, TF, TFA
Gene Description	coagulation factor III (thromboplastin, tissue factor)
Omim ID	134390
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000012426 coagulation factor III tissue factor

Publication Reference

- [Myeloid-related protein-8/14 in acute coronary syndrome.](#)

Sakuma M, Tanaka A, Kotooka N, Hikichi Y, Toyoda S, Abe S, Taguchi I, Node K, Simon DI, Inoue T.
International Journal of Cardiology 2017 Dec; 249:25.

Application: Quant, Human, HUVEC

- [Tissue factor in cancer angiogenesis and metastasis.](#)

Ruf W, Mueller BM.
Current Opinion in Hematology 1996 Sep; 3(5):379.

Application: Quant, Human, Keratinocytes, Monocytes, Tumor cells, Vascular endothelial cells

- [Role of tissue factor in embryonic blood vessel development.](#)

Carmeliet P, Mackman N, Moons L, Luther T, Gressens P, Van Vlaenderen I, Demunck H, Kasper M, Breier G, Evrard P, Muller M, Risau W, Edgington T, Collen D.
Nature 1996 Sep; 383(6595):73.

- [Tissue factor controls the balance of angiogenic and antiangiogenic properties of tumor cells in mice.](#)

Zhang Y, Deng Y, Luther T, Muller M, Ziegler R, Waldherr R, Stern DM, Nawroth PP.
The Journal of Clinical Investigation 1994 Sep; 94(3):1320.

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Coronary Thrombosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Postoperative Complications](#)

- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Werner syndrome](#)