

# Product datasheet

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## ARG81484 Human Tissue Factor ELISA Kit

Package: 96 wells Store at: 4°C

# Component

Cat. No.	Component Name	Package	Temp
ARG81484-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81484-002	Standard	2 X 10 ng/vial	4°C
ARG81484-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81484-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81484-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81484-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81484-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81484-008	25X Wash buffer	20 ml	4°C
ARG81484-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81484-010	STOP solution	10 ml (Ready to use)	4°C
ARG81484-011	Plate sealer	4 strips	Room temperature

## Summary

Product Description	ARG81484 Human Tissue Factor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Tissue Factor in serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.	
Tested Reactivity	Hu	
Tested Application	ELISA	
Specificity	There is no detectable cross-reactivity with other relevant proteins.	
Target Name	Tissue Factor	
Conjugation	HRP	
Conjugation Note	Note Substrate: TMB and read at 450 nm.	
Sensitivity	7.8 pg/ml	
Sample Type	E Type Serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.	
Standard Range	15.6 - 1000 pg/ml	
Sample Volume	100 μΙ	

Precision Intra-Assay CV: 6.2%

Inter-Assay CV: 6.9%

Alternate Names Thromboplastin; Tissue factor; TFA; CD142; TF; Coagulation factor III; CD antigen CD142

#### **Application Instructions**

Assay Time

~ 5 hours

#### **Properties**

Form

96 well

Storage instruction

Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note

For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol

F3

Gene Full Name

coagulation factor III (thromboplastin, tissue factor)

Background

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. Alternate splicing results in multiple

transcript variants.[provided by RefSeq, May 2010]

Function

Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited protolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade. [UniProt]

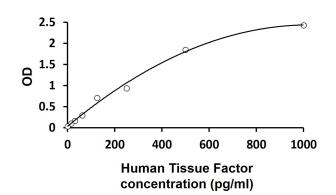
Highlight

Related products:

<u>Tissue Factor antibodies;</u> <u>Tissue Factor ELISA Kits;</u>

New ELISA data calculation tool:

Simplify the ELISA analysis by GainData



## ARG81484 Human Tissue Factor ELISA Kit standard curve image

ARG81484 Human Tissue Factor ELISA Kit results of a typical standard run with optical density reading at 450 nm.