

ARG81904 Mouse Tissue Factor ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81904-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81904-002	Standard	2 X 10 ng/vial	4°C
ARG81904-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81904-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81904-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81904-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81904-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81904-008	25X Wash buffer	20 ml	4°C
ARG81904-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81904-010	STOP solution	10 ml (Ready to use)	4°C
ARG81904-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81904 Mouse Tissue Factor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Tissue Factor in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Tissue Factor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7%; Inter-Assay CV: 6.4%
Alternate Names	Thromboplastin; Tissue factor; TFA; CD142; TF; Coagulation factor III; CD antigen CD142

Application Instructions

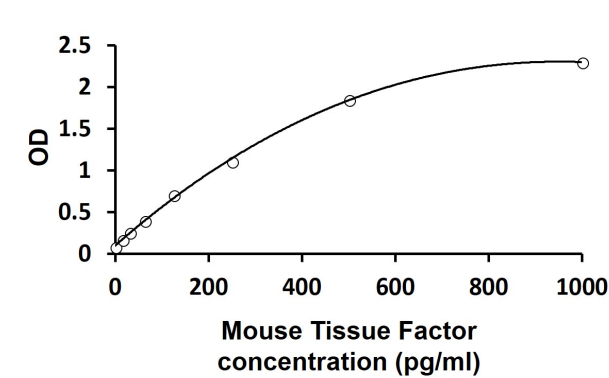
Assay Time	~ 5 hours
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Properties

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 proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade. [UniProt]
Highlight	Related products: Tissue Factor antibodies ; Tissue Factor ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81904 Mouse Tissue Factor ELISA Kit standard curve image

ARG81904 Mouse Tissue Factor ELISA Kit results of a typical standard run with optical density reading at 450 nm.