

## 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

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|            |           |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

## Properties

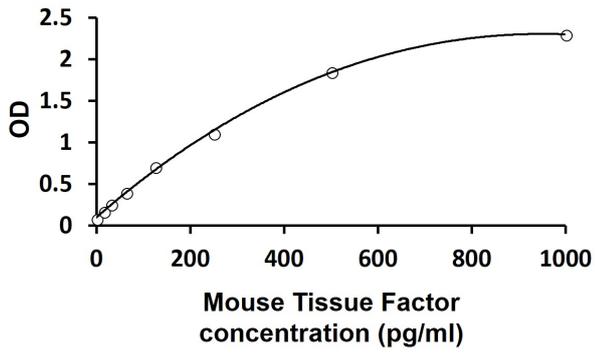
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|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light 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

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|                |   |
|----------------|---|
| 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:<br><a href="#">Tissue Factor antibodies</a> ; <a href="#">Tissue Factor ELISA Kits</a> ;<br>New ELISA data calculation tool:<br><a href="#">Simplify the ELISA analysis by GainData</a>   |



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.