

## General Factor X total antigen assay ELISA Kit | F10 elisa kit

Mouse Factor X total antigen assay ELISA Kit

CATALOG #  
**AAA37757**

REACTIVITY  
**General**

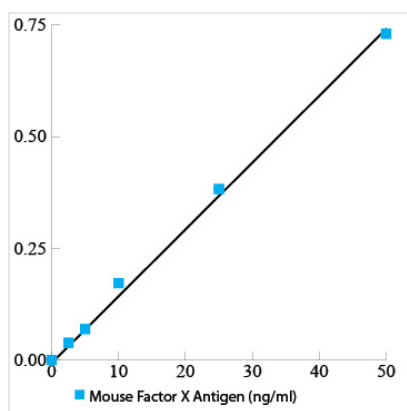
### PRODUCT SYNONYMS

Factor X total antigen assay; Mouse Factor X total antigen assay ELISA Kit; F10 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                                                                                                      |
| Specificity             | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                             |
| Form/Format             | Complete Kit                                                                                                                                                                                                                                                 |
| Sequence Length         | 481                                                                                                                                                                                                                                                          |
| Samples                 | Biological fluids                                                                                                                                                                                                                                            |
| Sensitivity             | The minimum detectable dose (MDD) was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates (range OD450: 0.069-0.075) and calculating the corresponding concentration. The MDD was 0.146 ng/ml. |
| Intra-assay Precision   | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                             |
| Inter-assay Precision   | These studies are currently in progress. Please contact us for more information.                                                                                                                                                                             |
| Preparation and Storage | Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for F10 elisa kit | <p><b>Intended Uses:</b> This mouse Factor X total assay is for the quantitative determination of total Factor X and Xa in biological fluids. For research use only.</p> <p><b>Principle of the Assay:</b> Mouse Factor X will bind to the affinity purified capture antibody coated on the microtiter plate. Factor X, Xa, and Xa in complex with inhibitors will react with the antibody on the plate. After appropriate washing steps, biotin labeled polyclonal anti-mouse Factor X primary antibody binds to the Factor X. Excess antibody is washed away and bound polyclonal antibody is then reacted with avidin conjugated to horseradish peroxidase. Following an additional washing step, TMB substrate is used for color development at 450nm The amount of color development is directly proportional to the concentration of total Factor X in the sample.</p> <p><b>Background:</b> Factor X is a disulfide linked two-chain glycoprotein zymogen and is the precursor of the coagulation enzyme Factor Xa [1]. Factor X serves as the intersection of the intrinsic and extrinsic coagulation cascades and can be activated by either the extrinsic Factor VIIa / Tissue Factor complex or the intrinsic Factor IXa / Factor VIIIa complex. Factor Xa converts prothrombin to thrombin and is quickly inhibited by Antithrombin III in the presence of heparin.</p> |
| Product Categories/Family for F10 elisa kit   | Factor X; Mouse Factor X ELISA Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 110625994                                    |
| NCBI GeneID                      | 14058                                        |
| NCBI Accession #                 | NP_031998.3                                  |
| NCBI GenBank Nucleotide #        | NM_007972.4                                  |
| UniProt Accession #              | O88947; O54740; Q99L32                       |
| Molecular Weight                 | 54,018 Da                                    |
| NCBI Official Full Name          | coagulation factor X isoform 2 preproprotein |
| NCBI Official Synonym Full Names | coagulation factor X                         |
| NCBI Official Symbol             | F10                                          |
| NCBI Official Synonym Symbols    | fx; Cf10                                     |
| NCBI Protein Information         | coagulation factor X; stuart factor          |
| UniProt Protein Name             | Coagulation factor X                         |
| UniProt Gene Name                | F10                                          |
| UniProt Entry Name               | FA10_MOUSE                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.