

Mouse Coagulation Factor II (F2) ELISA Kit | F2 elisa kit

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CATALOG #
AAA139382

REACTIVITY
Mouse

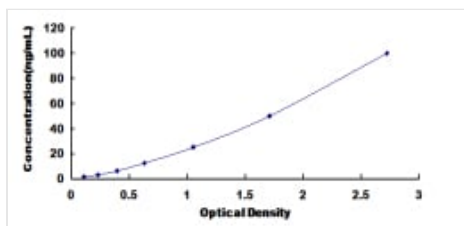
PRODUCT SYNONYMS

Coagulation Factor II (F2); Mouse Coagulation Factor II (F2) ELISA Kit; FII; TM; PT; Thrombin; Prothrombin; Pro-Thrombin; Activation peptide fragment 1; Activation peptide fragment 2; F2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Coagulation Factor II (F2). No significant cross-reactivity or interference between Coagulation Factor II (F2) and analogues was observed.
Sequence Length	607
Assay Type	Double-antibody Sandwich
Samples	Serum
Detection Range	125-8,000ng/mL
Sensitivity	45ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Coagulation Factor II (F2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Coagulation Factor II (F2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Coagulation Factor II (F2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Coagulation Factor II (F2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Coagulation Factor II (F2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Coagulation Factor II (F2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for F2 elisa kit	Signal transduction; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62751950
NCBI GeneID	548514
NCBI Accession #	NP_001015797.1
NCBI GenBank Nucleotide #	NM_001015797.1
NCBI Official Full Name	prothrombin
NCBI Official Synonym Full Names	coagulation factor 2 (thrombin)
NCBI Official Symbol	f2
NCBI Protein Information	prothrombin

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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/coagulation-factor-ii-f2/139382>