

Human Prothrombin Fragment 1+2 (F1+2) ELISA Kit | F1+2 elisa kit

Human Prothrombin Fragment 1+2 (F1+2) Wide-range ELISA Kit

CATALOG #
AAA147520

REACTIVITY
Human

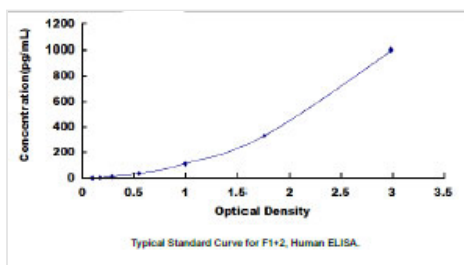
PRODUCT SYNONYMS

Prothrombin Fragment 1+2 (F1+2); Human Prothrombin Fragment 1+2 (F1+2) Wide-range ELISA Kit; F1+2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of F1+2. No significant cross-reactivity or interference between F1+2 and analogues was observed.
Sequence Length	622
Samples	Human serum and plasma
Assay Type	Quantitative Sandwich
Detection Range	1.37-1,000pg/mL
Sensitivity	<0.54pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F1+2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level F1+2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F1+2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of F1+2 in human serum and plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to F1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to 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 F1+2, 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 F1+2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503635
NCBI GeneID	2147
NCBI Accession #	NP_000497.1
NCBI GenBank Nucleotide #	NM_000506.4
UniProt Accession #	P00734; Q4QZ40; Q53H04; Q53H06; Q69EZ7; Q7Z7P3; Q9UCA1; B2R7F7; B4E1A7
Molecular Weight	70,037 Da
NCBI Official Full Name	prothrombin isoform 1 preproprotein
NCBI Official Synonym Full Names	coagulation factor II, thrombin
NCBI Official Symbol	F2
NCBI Official Synonym Symbols	PT; THPH1; RPRGL2
NCBI Protein Information	prothrombin
UniProt Protein Name	Prothrombin
UniProt Gene Name	F2

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.