

Rat Coagulation Factor XII (F12) ELISA Kit | F12 elisa kit

Rat Coagulation Factor XII (F12)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152392

REACTIVITY
Rat

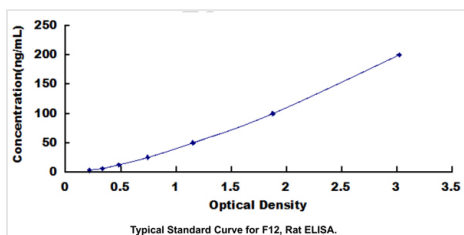
PRODUCT SYNONYMS

Coagulation Factor XII (F12); Rat Coagulation Factor XII (F12)(Sandwich ELISA) ELISA Kit; ELISA Kit for Coagulation Factor XII (F12); FXII; HAF; Contact Factor; Hageman Factor; F12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of F12. No significant cross-reactivity or interference between F12 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat plasma
Detection Range	3.12-200ng/mL
Sensitivity	< 1.25ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F12 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 F12 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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 F12 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to F12. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to F12. 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 F12, 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 F12 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of F12 in rat plasma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62078741
NCBI GeneID	306761
NCBI Accession #	NP_001014028.1
NCBI GenBank Nucleotide #	NM_001014006.1
UniProt Accession #	D3ZTE0; Q5M879
Molecular Weight	75,000 (Approximate)
NCBI Official Full Name	coagulation factor XII
NCBI Official Synonym Full Names	coagulation factor XII (Hageman factor)
NCBI Official Symbol	F12
NCBI Official Synonym Symbols	HAF
NCBI Protein Information	coagulation factor XII; hageman factor
UniProt Protein Name	Coagulation factor XII
UniProt Gene Name	F12
UniProt Synonym Gene Names	HAF
UniProt Entry Name	FA12_RAT

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://stage.aaabiotech.com/rat-elisa-kits/coagulation-factor-xii-f12/152392>