

Mouse Factor XII total ELISA Kit | F12 elisa kit

Mouse Factor XII total antigen assay ELISA kit

CATALOG #
AAA37834

REACTIVITY
Mouse

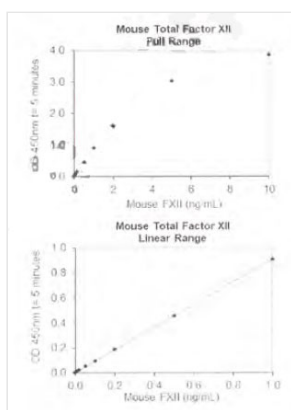
PRODUCT SYNONYMS

Factor XII total; Mouse Factor XII total antigen assay ELISA kit; F12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes natural and recombinant mouse Factor XII and Factor XII a. Pooled normal plasma from rat, rabbit, human, pig, dog, cyno monkey, rhesus monkey and sheep was assayed and no significant cross-reactivity was observed.
Form/Format	Complete kit
Sequence Length	597
Sensitivity	0.0042 ng/ml
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Preparation and Storage	Recommended Storage: 4 degree C Minimum Shelf Life: 12 months from manufacture, see label for expiration date Shipping Condition: Cold pack

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F12 elisa kit	Background: Factor XII (aka Hageman Factor) is a single-chain, 615 amino acid glycoprotein zymogen [1]. Factor XII is activated by kallikrein [2]. Factor XIIa converts prekallikrein to kallikrein during the intrinsic pathway of the coagulation cascade. Although Factor XII is not thought to play an essential role in normal hemostasis, lack of Factor XII in a mouse model resulted in a " severe defect" in thrombus formation [3]. Principle of the Assay: Mouse Factor XII will bind to the affinity purified capture antibody coated on the microtiter plate. Factor XII and XIIa will react with the antibody on the plate. After appropriate washing steps, biotin labeled anti-mouse Factor XII primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with peroxidase conjugated streptavidin. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of mouse Factor XII. Color development is proportional to the concentration of Factor XII in the samples. Intended Uses: This mouse coagulation Factor XII antigen assay is intended for the quantitative determination of total Factor XII antigen in mouse plasma. For research use only.
Product Categories/Family for F12 elisa kit	CLOTTING FACTOR ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	171906584
NCBI GeneID	58992
NCBI Accession #	NP_067464.2
NCBI GenBank Nucleotide #	NM_021489.2
UniProt Accession #	Q80YC5; O35727; Q6PER0
Molecular Weight	65,701 Da
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; FXII
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_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/factor-xii-total/37834>