

Fibrinogen Assay Kit | FGG assay kit

Human Fibrinogen Antigen Assay

CATALOG #
AAA71798

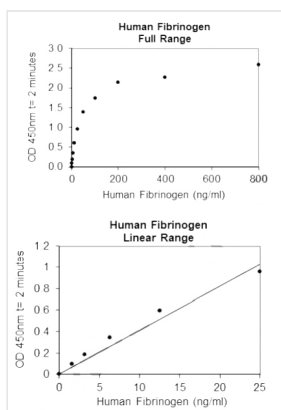
PRODUCT SYNONYMS

Fibrinogen; Human Fibrinogen Antigen Assay; FGG assay kit

PRODUCT SPECIFICATIONS

Specificity	This assay recognizes natural human fibrinogen. Pooled normal plasma from mouse, rabbit, rat, horse, pig, dog, sheep, cyno monkey and rhesus monkey were assayed, and no significant cross-reactivity was observed.
Sequence Length	444
Sensitivity	0.121ng/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 in ten independent assays to assess inter-assay precision.
Preparation and Storage	4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGG assay kit

Background: Fibrinogen is a soluble glycoprotein that circulates in the blood and is converted to insoluble fibrin by thrombin in the final step of the coagulation cascade.¹ Hepatic expression of fibrinogen increases two to four hundred-fold during the acute phase response to infection or inflammation.² Elevated fibrinogen levels are correlated with cardiovascular disease³ and atherosclerosis.⁴ Human fibrinogen will bind to the affinity purified capture antibody coated on the microtiter plate. After appropriate washing steps, biotin labeled polyclonal anti-human fibrinogen primary antibody binds to the captured protein. Excess antibody is washed away and bound polyclonal antibody is reacted with streptavidin conjugated to horseradish peroxidase. 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 human fibrinogen. Color development is proportional to the concentration of fibrinogen in the samples.

Intended Uses: This human fibrinogen antigen assay is intended for the quantitative determination of total fibrinogen antigen in human plasma and serum for research purposes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	350
NCBI GeneID	280792
UniProt Accession #	P12799
Molecular Weight	50,244 Da
NCBI Official Full Name	fibrinogen
NCBI Official Symbol	FGG
NCBI Protein Information	fibrinogen gamma-B chain; fibrinogen, gamma polypeptide; gamma'
UniProt Protein Name	Fibrinogen gamma-B chain
UniProt Gene Name	FGG
UniProt Synonym Gene Names	Gamma'
UniProt Entry Name	FIBG_BOVIN

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/assay-kits/fibrinogen/71798>