

General fibrinogen total antigen assay ELISA Kit | FGA elisa kit

Human fibrinogen total antigen assay ELISA Kit

CATALOG #
AAA10793

REACTIVITY
General

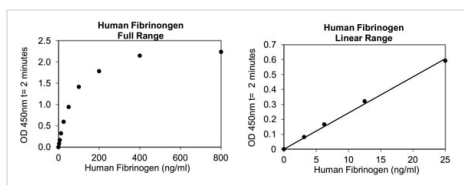
PRODUCT SYNONYMS

fibrinogen total antigen assay; Human fibrinogen total antigen assay ELISA Kit; FGA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
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.
Form/Format	Complete Kit
Sequence Length	866
Sensitivity	0.41 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	These studies are currently in progress. Please contact us for more information.
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGA elisa 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 disease [3] and atherosclerosis [4].

Principle of the Assay: 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.

Product Categories/Family for FGA elisa kit

Fibrinogen; Fibrinogen ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503689
NCBI GeneID	2243
NCBI Accession #	NP_000499.1
NCBI GenBank Nucleotide #	NM_000508.3
UniProt Accession #	P02671; Q4QQH7; Q9BX62; Q9UCH2; D3DP14; D3DP15
Molecular Weight	94,973 Da
NCBI Official Full Name	fibrinogen alpha chain isoform alpha-E preproprotein
NCBI Official Synonym Full Names	fibrinogen alpha chain
NCBI Official Symbol	FGA
NCBI Official Synonym Symbols	Fib2
NCBI Protein Information	fibrinogen alpha chain; fibrinogen, A alpha polypeptide
UniProt Protein Name	Fibrinogen alpha chain
UniProt Gene Name	FGA
UniProt Entry Name	FIBA_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fga-general-elisa-kits/fibrinogen-total-antigen-assay/10793>