

Human Fibrinogen ELISA Kit | FG elisa kit

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CATALOG #
AAA17724

REACTIVITY
Human

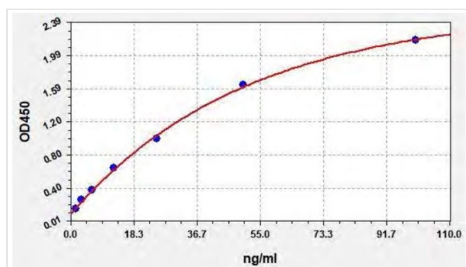
PRODUCT SYNONYMS

Fibrinogen; Human Fibrinogen ELISA Kit; FG; FG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize FG, no obvious cross reaction with other analogues
Sequence Length	444
Assay Type	Sandwich
Samples	Plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FG elisa kit	Background: Fibrinogen is a soluble protein synthesized by the liver and is one of the important components in plasma. It is a key factor in the process of blood coagulation and can be converted into fibrin to help stop bleeding and repair tissue damage. Fibrinogen is involved in multiple steps of thrombus formation, including platelet aggregation at the site of injury, activation of prothrombin, and formation of thrombin. Thrombin then converts fibrinogen into insoluble fibrin, which aggregates at the site of injury to form a clot and accelerate wound healing. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti FG antibody was pre-coated onto the 96-well plate. The biotin conjugated anti FG antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with FG conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of FG in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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
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://www.aaabiotech.com/fg-human-elisa-kits/fibrinogen/17724>