

Human Coagulation Factor XIII B Polypeptide (F13B) ELISA Kit | F13B elisa kit

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CATALOG #
AAA140703

REACTIVITY
Human

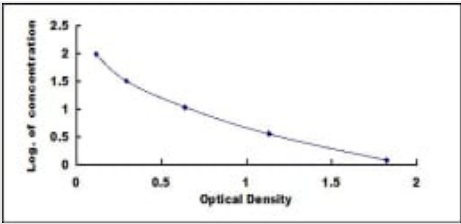
PRODUCT SYNONYMS

Coagulation Factor XIII B Polypeptide (F13B); Human Coagulation Factor XIII B Polypeptide (F13B) ELISA Kit; F13-B; FXIIIB; Fibrin-stabilizing factor B subunit; Protein-glutamine gamma-glutamyltransferase B chain; Transglutaminase B chain; F13B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Coagulation Factor XIII B Polypeptide (F13B). No significant cross-reactivity or interference between Coagulation Factor XIII B Polypeptide (F13B) and analogues was observed.
Sequence Length	661
Assay Type	Competitive Inhibition
Samples	Plasma
Detection Range	617.3-50,000ng/mL
Sensitivity	243.7ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Coagulation Factor XIII B Polypeptide (F13B) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Coagulation Factor XIII B Polypeptide (F13B) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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 F13B elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Coagulation Factor XIII B Polypeptide (F13B) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Coagulation Factor XIII B Polypeptide (F13B) and unlabeled Coagulation Factor XIII B Polypeptide (F13B) (Standards or samples) with the pre-coated antibody specific to Coagulation Factor XIII B Polypeptide (F13B). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Coagulation Factor XIII B Polypeptide (F13B) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Coagulation Factor XIII B Polypeptide (F13B) in the sample.
Product Categories/Family for F13B elisa kit	Signal transduction ; Metabolic pathway ; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611237
NCBI GeneID	2165
NCBI Accession #	NP_001985.2
NCBI GenBank Nucleotide #	NM_001994.2
Molecular Weight	75,511 Da
NCBI Official Full Name	coagulation factor XIII B chain
NCBI Official Synonym Full Names	coagulation factor XIII, B polypeptide
NCBI Official Symbol	F13B
NCBI Official Synonym Symbols	FXIIIB
NCBI Protein Information	coagulation factor XIII B chain
UniProt Protein Name	Coagulation factor XIII B chain
UniProt Gene Name	F13B
UniProt Entry Name	F13B_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/coagulation-factor-xiii-b-polypeptide-f13b/140703>