

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

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CATALOG #
AAA139174

REACTIVITY
Mouse

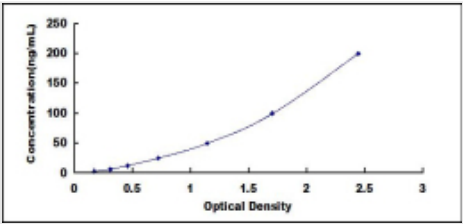
PRODUCT SYNONYMS

Coagulation Factor XIII B Polypeptide (F13B); Mouse 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	Mouse
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	Double-antibody Sandwich
Samples	Plasma
Detection Range	3.12-200ng/mL
Sensitivity	1.44ng/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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Coagulation Factor XIII B Polypeptide (F13B). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Coagulation Factor XIII B Polypeptide (F13B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Coagulation Factor XIII B Polypeptide (F13B), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Coagulation Factor XIII B Polypeptide (F13B) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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
UniProt Accession #	P05160; Q5VYL5; A8K3E5
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.