

Rat Coagulation Factor XIII A1 Polypeptide (F13A1) ELISA Kit | F13A1 elisa kit

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CATALOG #
AAA138385

REACTIVITY
Rat

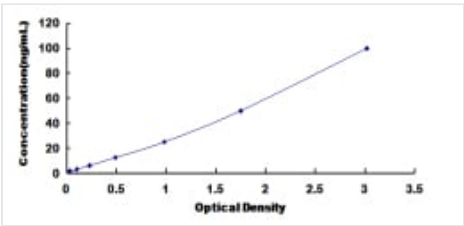
PRODUCT SYNONYMS

Coagulation Factor XIII A1 Polypeptide (F13A1); Rat Coagulation Factor XIII A1 Polypeptide (F13A1) ELISA Kit; F13-A1; FXIIIA1; Protein-glutamine gamma-glutamyltransferase A chain; Transglutaminase A chain; Coagulation factor XIII A chain; F13A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Coagulation Factor XIII A1 Polypeptide (F13A1). No significant cross-reactivity or interference between Coagulation Factor XIII A1 Polypeptide (F13A1) and analogues was observed.
Sequence Length	732
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	1.56-100ng/mL
Sensitivity	0.54ng/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 A1 Polypeptide (F13A1) 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 A1 Polypeptide (F13A1) 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 F13A1 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 A1 Polypeptide (F13A1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Coagulation Factor XIII A1 Polypeptide (F13A1). 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 A1 Polypeptide (F13A1), 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 A1 Polypeptide (F13A1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for F13A1 elisa kit	Signal transduction ; Metabolic pathway ; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395709
NCBI GeneID	2162
NCBI Accession #	NP_000120.2
NCBI GenBank Nucleotide #	NM_000129.3
UniProt Accession #	P00488 ; Q59HA7 ; Q8N6X2 ; Q96P24 ; Q9BX29
Molecular Weight	83,267 Da
NCBI Official Full Name	coagulation factor XIII A chain
NCBI Official Synonym Full Names	coagulation factor XIII, A1 polypeptide
NCBI Official Symbol	F13A1
NCBI Official Synonym Symbols	F13A
NCBI Protein Information	coagulation factor XIII A chain
UniProt Protein Name	Coagulation factor XIII A chain
UniProt Gene Name	F13A1
UniProt Synonym Gene Names	F13A; Coagulation factor XIIIa
UniProt Entry Name	F13A_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.