

Mouse Coagulation Factor VII (F7) ELISA Kit | F7 elisa kit

Mouse Coagulation Factor VII (F7) High Sensitive ELISA Kit

CATALOG # AAA188557	REACTIVITY Mouse	APPLICATIONS ELISA
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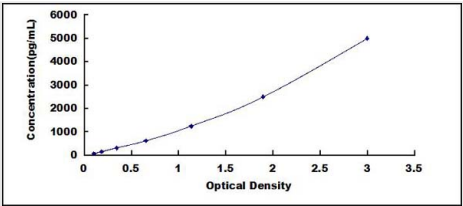
PRODUCT SYNONYMS

Coagulation Factor VII (F7); Mouse Coagulation Factor VII (F7) High Sensitive ELISA Kit; Coagulation Factor VII; FVII; SPCA; proconvertin; Cothromboplastin; Serum Prothrombin Conversation Accelerator; Stable Factor; Eptacog alfa; F7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Coagulation Factor VII (F7). No significant cross-reactivity or interference between High Sensitive Coagulation Factor VII (F7) and analogues was observed.
Sequence Length	446
Assay Type	Double-antibody Sandwich
Samples	plasma
Detection Range	78-5,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 31pg/mL
Applicable Applications for F7 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Coagulation Factor VII (F7) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Coagulation Factor VII (F7) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 High Sensitive Coagulation Factor VII (F7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Coagulation Factor VII (F7). 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 High Sensitive Coagulation Factor VII (F7), 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 High Sensitive Coagulation Factor VII (F7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543550
NCBI GeneID	14068
NCBI Accession #	NP_034302.2
NCBI GenBank Nucleotide #	NP_034302.2
UniProt Accession #	P70375
NCBI Official Full Name	coagulation factor VII preproprotein
NCBI Official Synonym Full Names	coagulation factor VII
NCBI Official Symbol	F7
NCBI Official Synonym Symbols	Cf7; FVII; A1132620
NCBI Protein Information	coagulation factor VII
UniProt Protein Name	Coagulation factor VII
UniProt Gene Name	F7
UniProt Synonym Gene Names	Cf7
UniProt Entry Name	FA7_MOUSE

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/mouse-elisa-kits/coagulation-factor-vii-f7/188557>