

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

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CATALOG #
AAA66885

REACTIVITY
Rat

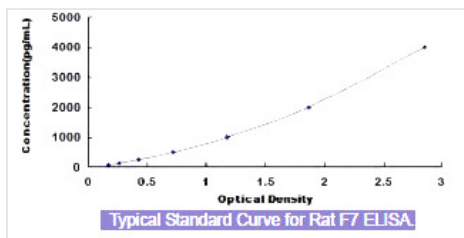
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of F7. No significant cross-reactivity or interference between F7 and analogues was observed.
Sequence Length	446
Samples	Plasma.
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	22.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level F7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F7 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of F7 in rat plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to F7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 F7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25742855
NCBI GeneID	260320
NCBI Accession #	NP_690059.1
NCBI GenBank Nucleotide #	NM_152846.1
UniProt Accession #	Q8K3U6
Molecular Weight	50,399 Da
NCBI Official Full Name	coagulation factor VII
NCBI Official Synonym Full Names	coagulation factor VII
NCBI Official Symbol	F7
NCBI Protein Information	coagulation factor VII
UniProt Protein Name	Coagulation factor VII
UniProt Gene Name	F7

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.