

Rat Coagulation Factor VII ELISA Kit | F7 elisa kit

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CATALOG #
AAA83293

REACTIVITY
Rat

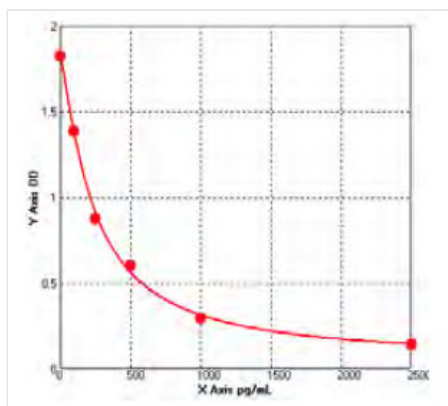
PRODUCT SYNONYMS

Coagulation Factor VII; Rat Coagulation Factor VII ELISA Kit; F7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FVII. No significant cross-reactivity or interference between FVII and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FVII and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F7 elisa kit	Intended Uses: This FVII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FVII. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FVII ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FVII antibody and an FVII-HRP conjugate. The assay sample and buffer are incubated together with FVII-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FVII concentration since FVII from samples and FVII-HRP conjugate compete for the anti-FVII antibody binding site. Since the number of sites is limited, as more sites are occupied by FVII from the sample, fewer sites are left to bind FVII-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FVII concentration in each sample is interpolated from this standard curve.
Product Categories/Family for F7 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	12750767
NCBI GeneID	2155
Molecular Weight	49,320 Da
NCBI Official Full Name	coagulation factor VII, partial
NCBI Official Synonym Full Names	coagulation factor VII (serum prothrombin conversion accelerator)
NCBI Official Symbol	F7
NCBI Official Synonym Symbols	SPCA
NCBI Protein Information	coagulation factor VII; eptacog alfa; proconvertin; FVII coagulation protein
UniProt Protein Name	Coagulation factor VII
UniProt Gene Name	F7
UniProt Synonym Gene Names	SPCA
UniProt Entry Name	FA7_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.