

General Factor VII total antigen assay ELISA Kit | F7 elisa kit

Human Factor VII total antigen assay ELISA Kit

CATALOG #
AAA37761

REACTIVITY
General

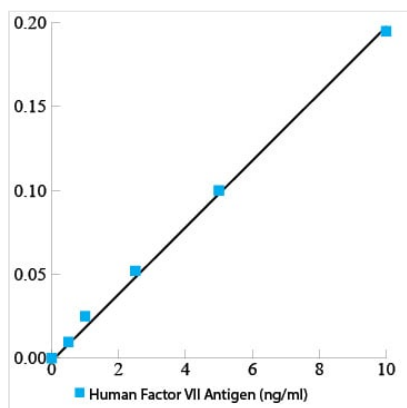
PRODUCT SYNONYMS

Factor VII total antigen assay; Human Factor VII total antigen assay ELISA Kit; F7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	These studies are currently in progress. Please contact us for more information.
Form/Format	Complete Kit
Sequence Length	466
Samples	Human plasma
Intra-assay Precision	These studies are currently in progress. Please contact us for more information.
Inter-assay Precision	These studies are currently in progress. Please contact us for more information.
Preparation and Storage	Store at 4 degree C. Shelf Life: 6 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F7 elisa kit	Intended Uses: This human coagulation Factor VII antigen assay is intended for the quantitative determination of total Factor VII antigen in human plasma. For research use only. Principle of the Assay: Human Factor VII will bind to the capture antibody coated on the microtiter plate. Factor VII, VIIa, and VII in complex with Tissue Factor will react with the antibody on the plate. After appropriate washing steps, polyclonal anti-human Factor VII primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody, which is proportional to the total Factor VII present in the samples, is reacted with the secondary antibody. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human Factor VII. Color development is proportional to the concentration of Factor VII in the samples. Background: Factor VII is a single chain glycoprotein zymogen that initiates the extrinsic coagulation pathway by forming a complex with exposed Tissue Factor and Ca2+ [1]. Factor VII in complex is rapidly cleaved to VIIa which activates Factor X and IX [2]. Congenital Factor VII deficiency is rare and caused by heterogeneous decreased activity or antigen levels [3]. Elevated Factor VII is associated with increased risk of coronary heart disease [4].
Product Categories/Family for F7 elisa kit	Factor VII; Human Factor VII ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503645
NCBI GeneID	2155
NCBI Accession #	NP_000122.1
NCBI GenBank Nucleotide #	NM_000131.4
UniProt Accession #	P08709; Q14339; Q5JVF1; Q5JVF2; Q9UD52; Q9UD53; Q9UD54; B0YJC8
Molecular Weight	51,594 Da
NCBI Official Full Name	coagulation factor VII isoform a preproprotein
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.

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Online datasheet: <https://stage.aaabiotech.com/f7-general-elisa-kits/factor-vii-total-antigen-assay/37761>