

General Factor IX total antigen assay ELISA Kit | F9 elisa kit

Human Factor IX total antigen assay ELISA Kit

CATALOG #
AAA37765

REACTIVITY
General

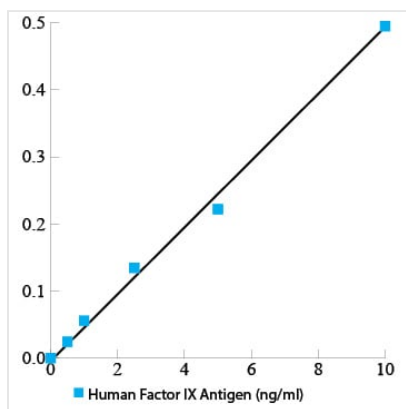
PRODUCT SYNONYMS

Factor IX total antigen assay; Human Factor IX total antigen assay ELISA Kit; F9 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	461
Samples	Human plasma
Sensitivity	The minimum detectable dose (MDD) was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates (range OD450: 0.051-0.060) and calculating the corresponding concentration. The MDD was 0.053 ng/ml.
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: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F9 elisa kit	Intended Uses: This human coagulation Factor IX antigen assay is intended for the quantitative determination of total Factor IX antigen in human plasma. For research use only. Principle of the Assay: Human Factor IX will bind to the affinity purified capture antibody coated on the microtiter plate. Factor IX and IXa will react with the antibody on the plate. After appropriate washing steps, polyclonal anti-human Factor IX primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody, which is proportional to the total Factor IX 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 IX. Color development is proportional to the concentration of Factor IX in the samples. Background: Factor IX (aka Christmas Factor) is a single-chain, 415 amino acid glycoprotein zymogen [1]. Factor IX is activated by either Factor XIa or the Factor VIIa complex [2]. Factor IXa converts Factor X to Factor Xa during the intrinsic pathway of the coagulation cascade. Factor IX is used to treat patients with hemophilia B, an X-linked bleeding disorder [3].
Product Categories/Family for F9 elisa kit	Factor IX; Human Factor IX ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503649
NCBI GeneID	2158
NCBI Accession #	NP_000124.1
NCBI GenBank Nucleotide #	NM_000133.3
UniProt Accession #	P00740; Q5JYJ8; A8K9N4; F2RM36
Molecular Weight	51,778 Da
NCBI Official Full Name	coagulation factor IX preproprotein
NCBI Official Synonym Full Names	coagulation factor IX
NCBI Official Symbol	F9
NCBI Official Synonym Symbols	FIX; P19; PTC; HEMB; THPH8
NCBI Protein Information	coagulation factor IX; F9 p22; FIX F9; factor 9; factor IX F9; Christmas factor; plasma thromboplastic component; plasma thromboplastin component
UniProt Protein Name	Coagulation factor IX
UniProt Gene Name	F9
UniProt Synonym Gene Names	PTC
UniProt Entry Name	FA9_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.