

Human Fcoagulation factor IX ELISA Kit | FIX elisa kit

Human Fcoagulation factor IX ELISA Kit

CATALOG #
AAA84479

REACTIVITY
Human

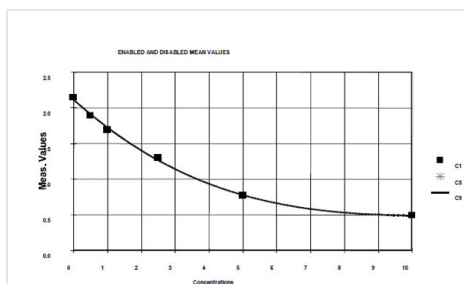
PRODUCT SYNONYMS

Fcoagulation factor IX; Human Fcoagulation factor IX ELISA Kit; Fcoagulation factor IX (Human); FIX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for FIX elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This FIX ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of FIX in the sample, this FIX ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus FIX concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of FIX utilizes a monoclonal anti-FIX antibody and an FIX-HRP conjugate. The assay sample and buffer are incubated together with FIX-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 FIX concentration since FIX from samples and FIX-HRP conjugate compete for the anti-FIX antibody binding site. Since the number of sites is limited, as more sites are occupied by FIX from the sample, fewer sites are left to bind FIX-HRP conjugate. Standards of known FIX concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of FIX. The FIX concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FIX elisa kit	Human ELISA Kit
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NCBI AND UNIPROT INFORMATION

NCBI GI #	182609
NCBI GeneID	2158
UniProt Accession #	P00740; Q5JYJ8; A8K9N4; F2RM36
Molecular Weight	51,778 Da
NCBI Official Full Name	factor IX
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.

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 Online datasheet: <https://stage.aaabiotech.com/fix-human-elisa-kits/fcoagulation-factor-ix/84479>