

Rat Coagulation Factor IX ELISA Kit | FIX elisa kit

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CATALOG #
AAA100989

REACTIVITY
Rat

PRODUCT SYNONYMS

Coagulation Factor IX; Rat Coagulation Factor IX ELISA Kit; FIX; FIX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF23. No significant cross-reactivity or interference between FGF23 and analogues was observed.
Sequence Length	461
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF23 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FGF23 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard run of a FIX ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)									
X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.084	0.182	0.259	0.41	0.73	1.074	1.672	2.111

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FIX elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FGF23 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-FGF23 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the FGF23 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FGF23 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503649
NCBI GeneID	2158
NCBI Accession #	NP_000124.1
NCBI GenBank Nucleotide #	NM_000133.3
Molecular Weight	47,618 Da
NCBI Official Full Name	coagulation factor IX isoform 1 preproprotein
NCBI Official Synonym Full Names	coagulation factor IX
NCBI Official Symbol	F9
NCBI Official Synonym Symbols	FIX; P19; PTC; HEMB; THPH8; F9 p22
NCBI Protein Information	coagulation factor IX
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-rat-elisa-kits/coagulation-factor-ix/100989>