

Canine Fibroblast growth factor 23 ELISA Kit | FGF-23 elisa kit

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CATALOG #
AAA16983

REACTIVITY
Canine

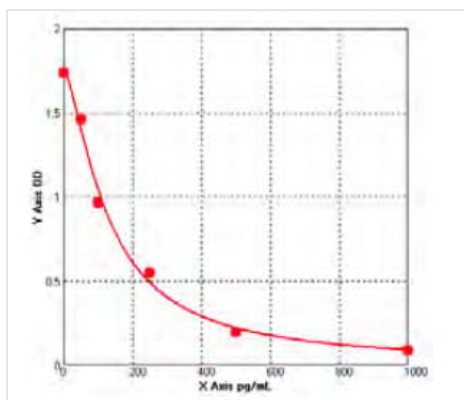
PRODUCT SYNONYMS

Fibroblast growth factor 23; Canine Fibroblast growth factor 23 ELISA Kit; FGF-23 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF-23. No significant cross-reactivity or interference between FGF-23 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FGF-23 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 FGF-23 elisa kit	Intended Uses: This FGF-23 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FGF-23. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FGF-23 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FGF-23 antibody and an FGF-23-HRP conjugate. The assay sample and buffer are incubated together with FGF-23-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 FGF-23 concentration since FGF-23 from samples and FGF-23-HRP conjugate compete for the anti-FGF-23 antibody binding site. Since the number of sites is limited, as more sites are occupied by FGF-23 from the sample, fewer sites are left to bind FGF-23-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FGF-23 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FGF-23 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190674
NCBI GeneID	8074
NCBI Accession #	NP_065689.1
NCBI GenBank Nucleotide #	NM_020638.2
Molecular Weight	27,954 Da
NCBI Official Full Name	fibroblast growth factor 23
NCBI Official Synonym Full Names	fibroblast growth factor 23
NCBI Official Symbol	FGF23
NCBI Official Synonym Symbols	ADHR; FGFN; HYPF; HPDR2; PHPTC
NCBI Protein Information	fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
UniProt Protein Name	Fibroblast growth factor 23
UniProt Gene Name	FGF23
UniProt Synonym Gene Names	HYPF; UNQ3027/PRO9828; FGF-23
UniProt Entry Name	FGF23_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/fgf-23-canine-elisa-kits/fibroblast-growth-factor-23/16983>