

Canine Fibroblast growth factor 18 ELISA Kit | FGF-18 elisa kit

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CATALOG #
AAA94688

REACTIVITY
Canine

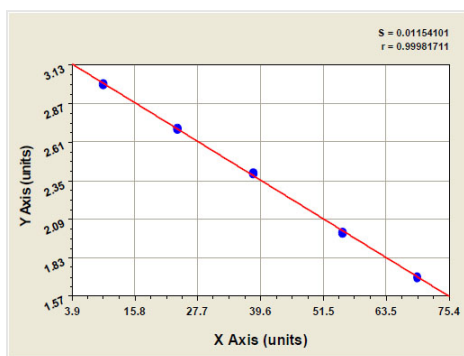
PRODUCT SYNONYMS

Fibroblast growth factor 18; Canine Fibroblast growth factor 18 ELISA Kit; FGF-18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This FGF-18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FGF-18. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF-18 elisa kit

Principle of the assay: FGF-18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FGF-18 antibody and an FGF-18-HRP conjugate. The assay sample and buffer are incubated together with FGF-18-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-18 concentration since FGF-18 from samples and FGF-18-HRP conjugate compete for the anti-FGF-18 antibody binding site. Since the number of sites is limited, as more sites are occupied by FGF-18 from the sample, fewer sites are left to bind FGF-18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FGF-18 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FGF-18 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503695
NCBI GeneID	8817
NCBI Accession #	NP_003853.1
NCBI GenBank Nucleotide #	NM_003862.2
Molecular Weight	23,989 Da
NCBI Official Full Name	fibroblast growth factor 18
NCBI Official Synonym Full Names	fibroblast growth factor 18
NCBI Official Symbol	FGF18
NCBI Official Synonym Symbols	ZFGF5; FGF-18
NCBI Protein Information	fibroblast growth factor 18
UniProt Protein Name	Fibroblast growth factor 18
UniProt Gene Name	FGF18
UniProt Synonym Gene Names	UNQ420/PRO856; FGF-18
UniProt Entry Name	FGF18_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-18-canine-elisa-kits/fibroblast-growth-factor-18/94688>