

Porcine Fibroblast Growth Factor 2, Basic (FGF2) ELISA Kit | FGF2 elisa kit

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CATALOG #
AAA137267

REACTIVITY
Porcine

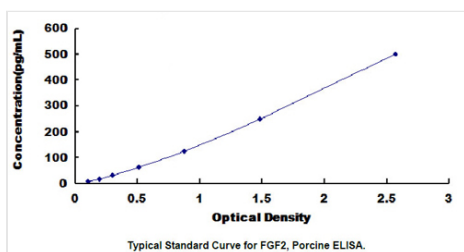
PRODUCT SYNONYMS

Fibroblast Growth Factor 2; Basic (FGF2); Porcine Fibroblast Growth Factor 2; Basic (FGF2) ELISA Kit; FGF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 2, Basic (FGF2). No significant cross-reactivity or interference between Fibroblast Growth Factor 2, Basic (FGF2) and analogues was observed.
Sequence Length	288
Samples	Serum, plasma and other biological fluids
Assay Type	Sandwich
Detection Range	7.813-500pg/mL The standard curve concentrations used for the ELISA's were 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.25pg/mL, 15.625pg/mL, 7.813pg/mL
Sensitivity	Typically less than 3.2pg/mL.
Organism Species	Sus scrofa; Porcine (Pig)
ELISA Type	Sandwich
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Fibroblast Growth Factor 2, Basic (FGF2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Fibroblast Growth Factor 2, Basic (FGF2) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fibroblast Growth Factor 2, Basic (FGF2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fibroblast Growth Factor 2, Basic (FGF2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Fibroblast Growth Factor 2, Basic (FGF2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Fibroblast Growth Factor 2, Basic (FGF2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153285461
NCBI GeneID	2247
NCBI Accession #	NP_001997.5
NCBI GenBank Nucleotide #	NM_002006.4
UniProt Accession #	P09038; O00527; P78443; Q16443; Q5PY50; Q7KZ11; Q7KZ72; Q9UC54; Q9UCS5; Q9UCS6; A4LBB8
Molecular Weight	30,770 Da
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_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/porcine-elisa-kits/fibroblast-growth-factor-2-basic-fgf2/137267>