

Rat FGF5 (Fibroblast Growth Factor 5) ELISA Kit | FGF5 elisa kit

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CATALOG #
AAA277910

REACTIVITY
Rat

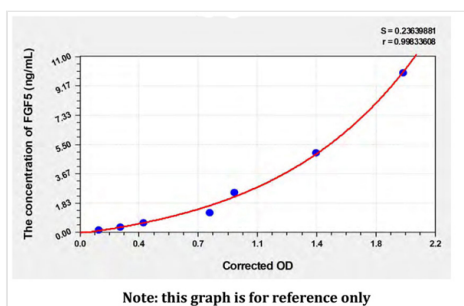
PRODUCT SYNONYMS

FGF5 (Fibroblast Growth Factor 5); Rat FGF5 (Fibroblast Growth Factor 5) ELISA Kit; HBGF5; Smag82; Heparin-binding growth factor 5; FGF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat FGF5. No significant cross-reactivity or interference between Rat FGF5 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.074 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF5 elisa kit

Principle of the Assay: 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 Rat FGF5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat FGF5. 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 Rat FGF5, 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 $\pm$ 10nm. The concentration of Rat FGF5 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11559990
NCBI GeneID	60662
NCBI Accession #	NP_071547.1
NCBI GenBank Nucleotide #	NM_022211.1
UniProt Accession #	P48807; Q63402
Molecular Weight	29,264 Da
NCBI Official Full Name	fibroblast growth factor 5
NCBI Official Synonym Full Names	fibroblast growth factor 5
NCBI Official Symbol	Fgf5
NCBI Protein Information	fibroblast growth factor 5; FGF-5; HBGF-5; fibroblast growth factor FGF-5; heparin-binding growth factor 5
UniProt Protein Name	Fibroblast growth factor 5
UniProt Gene Name	Fgf5
UniProt Synonym Gene Names	Fgf-5; FGF-5; HBGF-5
UniProt Entry Name	FGF5_RAT

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/rat-elisa-kits/fgf5-fibroblast-growth-factor-5/277910>