

Cattle Fibroblast Growth Factor 1 (FGF1) ELISA Kit | FGF1 elisa kit

Cattle Fibroblast Growth Factor 1, Acidic (FGF1) ELISA Kit

CATALOG #
AAA149869

REACTIVITY
Cattle

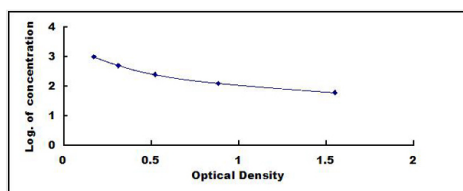
PRODUCT SYNONYMS

Fibroblast Growth Factor 1 (FGF1); Cattle Fibroblast Growth Factor 1; Acidic (FGF1) ELISA Kit; ECGF; AFGF; ECGFA; ECGFB; FGF-Alpha; FGFA; HBGF1; Acidic Fibroblast Growth Factor; heparin-binding growth factor 1; Endothelial Cell Growth Factor; Beta; FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cattle
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 1, Acidic (FGF1). No significant cross-reactivity or interference between Fibroblast Growth Factor 1, Acidic (FGF1) and analogues was observed.
Sequence Length	155
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	62.5-1,000pg/mL
Sensitivity	26.6pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Fibroblast Growth Factor 1, Acidic (FGF1) 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 1, Acidic (FGF1) 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 FGF1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Fibroblast Growth Factor 1, Acidic (FGF1) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Fibroblast Growth Factor 1, Acidic (FGF1) and unlabeled Fibroblast Growth Factor 1, Acidic (FGF1) (Standards or samples) with the pre-coated antibody specific to Fibroblast Growth Factor 1, Acidic (FGF1). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Fibroblast Growth Factor 1, Acidic (FGF1) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Fibroblast Growth Factor 1, Acidic (FGF1) in the sample.
Product Categories/Family for FGF1 elisa kit	Cytokine; Tumor Immunity; Infection Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806633
NCBI GeneID	281160
NCBI Accession #	NP_776480.1
NCBI GenBank Nucleotide #	NP_776480.1
UniProt Accession #	P03968
NCBI Official Full Name	fibroblast growth factor 1
NCBI Official Synonym Full Names	fibroblast growth factor 1
NCBI Official Symbol	FGF1
NCBI Official Synonym Symbols	ECGF; EDGF; aFGF; FGF-1; HBGF-1; EDGF II
NCBI Protein Information	fibroblast growth factor 1
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	FGF1
UniProt Synonym Gene Names	AFGF; FGFA; HBGF-1; FGF-1; EDGF II; aFGF; ECGF; HBGF-1
UniProt Entry Name	FGF1_BOVIN

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/cat-cattle-elisa-kits/fibroblast-growth-factor-1-fgf1/149869>