Pig fibroblast growth factor 19(FGF19)ELISA Kit

Product Code	CSB-E17583p
Abbreviation	FGF19
Target Name	fibroblast growth factor 19(FGF19)
Uniprot No.	F1RY79
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig FGF19 ELISA Kit was designed for the quantitative measurement of Pig FGF19 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL .
Target Details	This protein is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth and invasion. This growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.
Linearity	

To assess the linearity of the assay, samples were spiked with high concentrations of pig FGF19 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	89
	Range %	80-94
1:2	Average %	99
	Range %	91-107
1:4	Average %	96
	Range %	92-105
1:8	Average %	96
	Range %	88-98

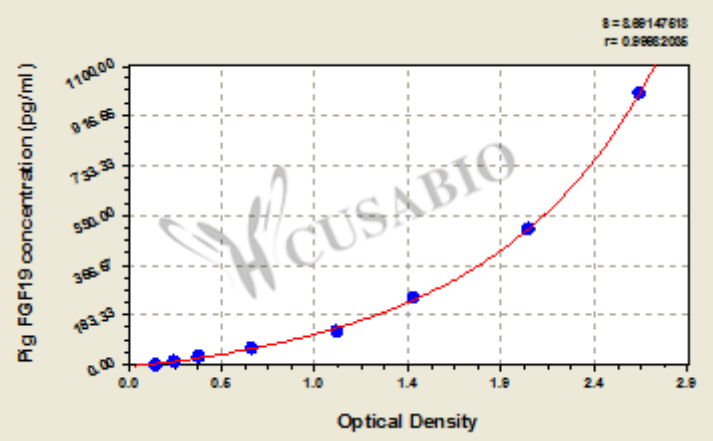
Recovery

The recovery of pig FGF19 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	96	89-99
EDTA plasma (n=4)	94	90-98

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
1000	2.658	2.558	2.608	2.455
500	2.084	2.004	2.044	1.891
250	1.512	1.412	1.462	1.309
125	1.103	1.043	1.073	0.920
62.5	0.642	0.632	0.637	0.484
31.25	0.374	0.364	0.369	0.216
15.6	0.248	0.238	0.243	0.090
0	0.153	0.152	0.153	?

Msds

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