Human Fibroblast Growth Factor 8(FGF8) ELISA Kit

Product Code	CSB-E15861h
Abbreviation	FGF8
Protein Biological Process 1	Developmental Protein
Target Name	fibroblast growth factor 8 (androgen-induced)
Uniprot No.	P55075
Alias	AIGF, HBGF-8, KAL6, MGC149376, androgen-induced growth factor|fibroblast growth factor 8
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, tissue homogenates, cell lysates
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
Gene Names	FGF8
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human FGF8 ELISA Kit was designed for the quantitative measurement of Human FGF8 protein in serum, plasma, tissue homogenates, cell lysates. 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 protein is

known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogensis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants.

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 human FGF8 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 %	91
	Range %	86-95
1:2	Average %	102
	Range %	97-107
1:4	Average %	91
	Range %	85-97
1:8	Average %	97
	Range %	91-103

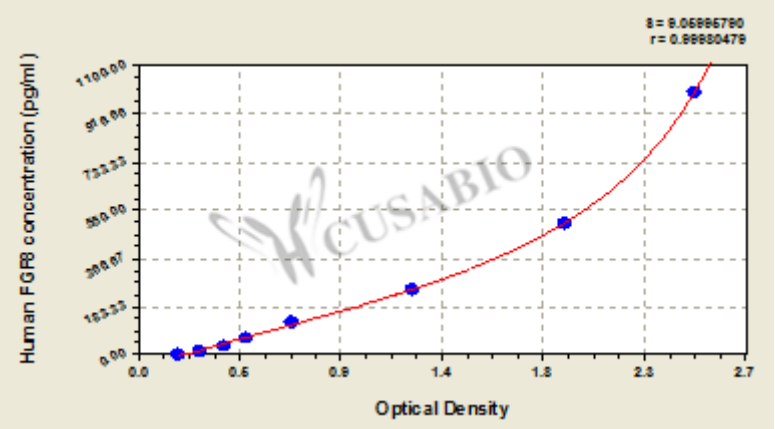
Recovery

The recovery of human FGF8 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)	95	89-98
EDTA plasma (n=4)	97	90-100

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	2.455	2.498	2.477	2.290
500	1.872	1.932	1.902	1.715
250	1.213	1.236	1.225	1.038
125	0.687	0.699	0.693	0.506
62.5	0.499	0.484	0.492	0.305
31.2	0.379	0.398	0.389	0.202
15.6	0.277	0.287	0.282	0.095
0	0.188	0.186	0.187	

Msds

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