Mouse fibroblast growth factor 10(FGF10) ELISA Kit

Product Code	CSB-E13045m
Abbreviation	FGF10
Target Name	fibroblast growth factor 10
Uniprot No.	O35565
Alias	keratinocyte growth factor 2|produced by fibroblasts of urinary bladder lamina propria
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	1.56 pg/mL-100 pg/mL
Sensitivity	0.39 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	Cardiovascular
Gene Names	Fgf10
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse FGF10 ELISA Kit was designed for the quantitative measurement of Mouse FGF10 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 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 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a primary

factor in the process of wound healing.

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 mouse FGF10 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 %	96
	Range %	90-102
1:2	Average %	102
	Range %	97-107
1:4	Average %	89
	Range %	86-92
1:8	Average %	94
	Range %	89-99

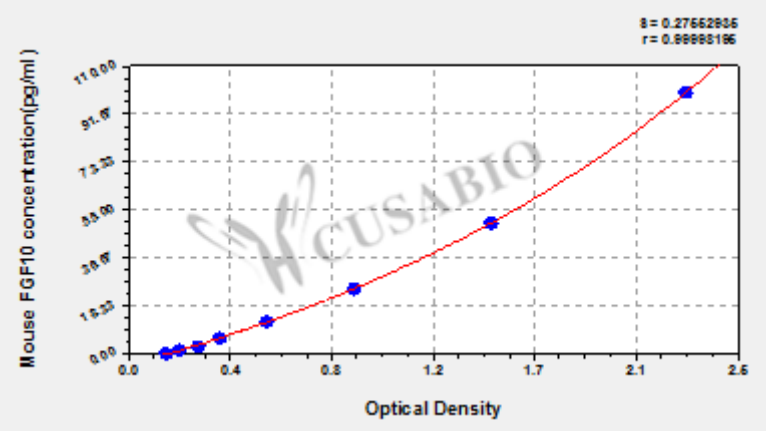
Recovery

The recovery of mouse FGF10 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)	103	98-108
EDTA plasma (n=4)	95	90-110

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
100	2.194	2.345	2.270	2.102
50	1.494	1.465	1.480	1.312
25	0.889	0.967	0.928	0.760
12.5	0.594	0.556	0.575	0.407
6.25	0.384	0.383	0.384	0.216
3.12	0.302	0.290	0.296	0.128
1.56	0.212	0.225	0.219	0.051
0	0.167	0.168	0.168	

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E13045m.pdf","filename":"MSDS"}}