Mouse Bone morphogenetic protein 6,BMP-6 ELISA Kit

Product Code	CSB-E09279m
Abbreviation	BMP6
Protein Biological Process 1	Developmental Protein
Target Name	bone morphogenetic protein 6
Uniprot No.	P20722
Alias	VGR, VGR1, Vg1-related sequence|vegetal related growth factor (TGFB-related)|vegetal-related (TGFB related) cytokine
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Chondrogenesis
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Bmp6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse BMP6 ELISA Kit was designed for the quantitative measurement of Mouse BMP6 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL .
Target Details	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral

osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity.

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 BMP-6 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 %	96
	Range %	82-101
1:4	Average %	98
	Range %	93-107
1:8	Average %	97
	Range %	92-105

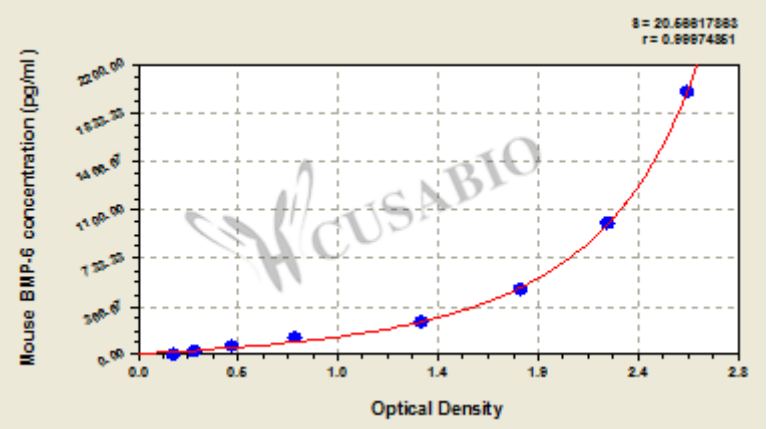
Recovery

The recovery of mouse BMP-6 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)	100	95-105
EDTA plasma (n=4)	102	96-108

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
2000	2.616	2.582	2.599	2.414
1000	2.215	2.234	2.225	2.040
500	1.801	1.834	1.818	1.633
250	1.367	1.330	1.349	1.164
125	0.768	0.743	0.756	0.571
62.5	0.469	0.442	0.456	0.271
31.25	0.272	0.292	0.282	0.097
0	0.184	0.186	0.185	?

Msds

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