



Rabbit Bone morphogenetic protein 2(BMP2)

ELISA kit

Product Code	CSB-EL002736RB
Abbreviation	BMP2
Protein Biological Process 1	Developmental Protein
Target Name	bone morphogenetic protein 2
Uniprot No.	O46564
Alias	BMP2A
Product Type	ELISA Kit
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Protein Biological Process 3	Chondrogenesis
Sample Types	serum, plasma, 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	Signal Transduction
Gene Names	BMP2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rabbit BMP2 ELISA Kit was designed for the quantitative measurement of Rabbit BMP2 protein in serum, plasma, 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 belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation.
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 rabbit BMP2 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)
	Average %	87
1:2	Range %	80-94
	Average %	90
1:4	Range %	85-99
	Average %	95
1:8	Range %	85-103
	Average %	95
1:10	Range %	84-102

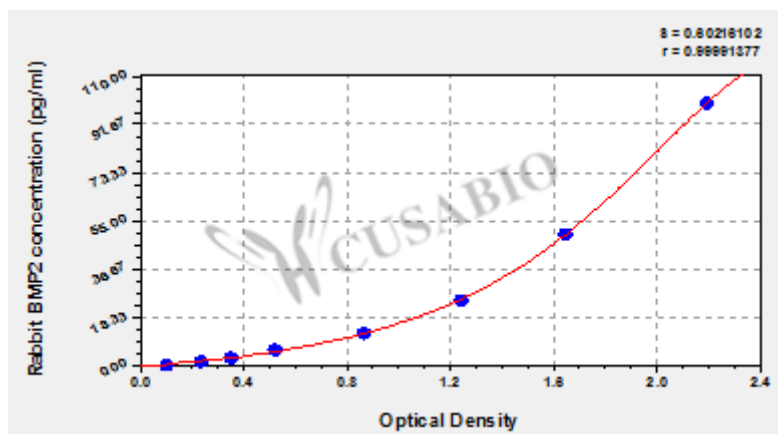
Recovery

The recovery of rabbit BMP2 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)	93	82-100
EDTA plasma (n=4)	97	88-105

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	2.136	2.177	2.157	2.043
50	1.612	1.628	1.620	1.506
25	1.221	1.239	1.230	1.116
12.5	0.852	0.865	0.859	0.745
6.25	0.530	0.516	0.523	0.409
3.12	0.351	0.365	0.358	0.244
1.56	0.239	0.246	0.243	0.129
0	0.112	0.115	0.114	?

Msds

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