



Mouse Osteocrin(OSTN) ELISA kit

Product Code	CSB-EL017269MO
Abbreviation	OSTN
Protein Biological Process 1	Developmental Protein
Target Name	osteocrin
Uniprot No.	P61364
Alias	MUSCLIN
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
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	Stem Cells
Gene Names	Ostn
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse OSTN ELISA Kit was designed for the quantitative measurement of Mouse OSTN protein in serum, plasma, cell culture supernates, tissue homogenates. 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.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of mouse OSTN 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)
1:5	Average %	92
	Range %	87-97
1:10	Average %	95
	Range %	88-99
1:20	Average %	93
	Range %	87-100
1:40	Average %	95
	Range %	87-104

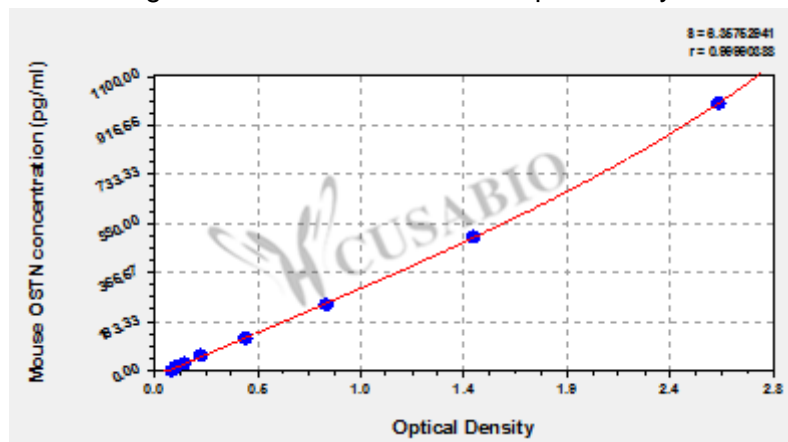
Recovery

The recovery of mouse OSTN 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)	94	85-99
EDTA plasma (n=4)	97	89-105

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
1000	2.579	2.605	2.592	2.502
500	1.447	1.494	1.471	1.381
250	0.791	0.803	0.797	0.707
125	0.430	0.427	0.429	0.339
62.5	0.219	0.225	0.222	0.132
31.2	0.144	0.149	0.147	0.057
15.6	0.107	0.112	0.110	0.020
0	0.088	0.091	0.090	

Msds

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