





Bovine Cu/Zn-Superoxide Dismutase, Cu/Zn-SOD **ELISA Kit**

Product Code	CSB-E14090B	
Abbreviation	SOD1	
Target Name	superoxide dismutase 1, soluble	
Uniprot No.	P00442	
Alias	ALS, ALS1, IPOA, SOD, homodimer, Cu/Zn superoxide dismutase SOD, soluble indophenoloxidase A superoxide dismutase, cystolic	
Product Type	ELISA Kit	
Immunogen Species	Bos taurus (Bovine)	
Sample Types	serum, plasma	
Detection Range	15.6 ng/mL-1000 ng/mL	
Sensitivity	3.9 ng/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	Metabolism	
Research Area Gene Names	Metabolism SOD1	
Gene Names	SOD1	
Gene Names Tag Info	SOD1 quantitative	
Gene Names Tag Info Protein Description	SOD1 quantitative Sandwich This Bovine SOD1 ELISA Kit was designed for the quantitative measurement of Bovine SOD1 protein in serum, plasma. It is a Sandwich ELISA kit, its detection	





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 bovine Cu/Zn-SOD 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 %	97
	Range %	92-104
1:2	Average %	91
	Range %	85-97
1:4	Average %	90
	Range %	88-95
1:8	Average %	100
	Range %	96-105

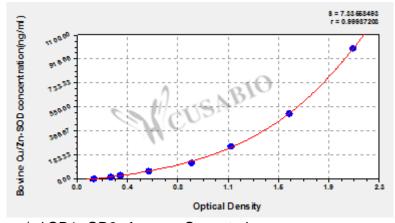
Recovery

The recovery of bovine Cu/Zn-SOD 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)	90	87-94
EDTA plasma (n=4)	101	103-105

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml OD1 OD2 Average Corrected

1000	2.014 2.115 2	2.065	1.929
500	1.537 1.640 1	1.589	1.453
250	1.201 1.108 1	1.155	1.019
125	0.878 0.844 0	0.861	0.725
62.5	0.541 0.555 (0.548	0.412
31.2	0.342 0.329 0	0.336	0.200
15.6	0.251 0.272 0	0.262	0.126
0	0.137 0.135 0	0.136	

Msds

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