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Mouse Superoxide dismutase [Mn], mitochondrial(SOD2) ELISA kit

Product Code	CSB-EL022398MO
Abbreviation	SOD2
Target Name	superoxide dismutase 2, mitochondrial
Uniprot No.	P09671
Alias	IPO-B, MNSOD, MVCD6, Mn-SOD, Mn superoxide dismutase indophenoloxidase B manganese-containing superoxide dismutase mangano-superoxide dismutase
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 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
Gene Names	Sod2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse SOD2 ELISA Kit was designed for the quantitative measurement of Mouse SOD2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
Target Details	This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

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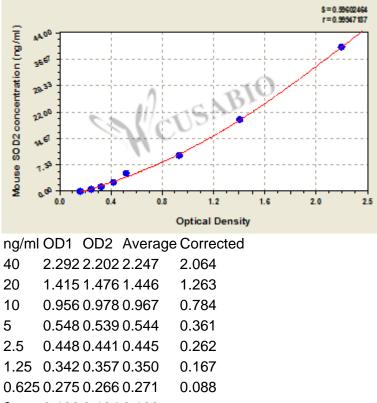
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Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.							
Linearity	concentra	tions of mouse	SOD2 in va es with valu	rious matrices	spiked with high and diluted with the Sample dynamic range of the assay.			
Recovery	The recovery of mouse SC assay in various matrices as directed in the Sample Sample Type Serum (n=5) EDTA plasma (n=4)		s was evaluated. Samples		ughout the range of the were diluted prior to assay Range 85-95 90-105			
Typical		These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.						

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