

Mouse Superoxide dismutase [Cu-Zn] (SOD1) ELISA Kit | SOD1 elisa kit

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CATALOG #
AAA244635

REACTIVITY
Mouse

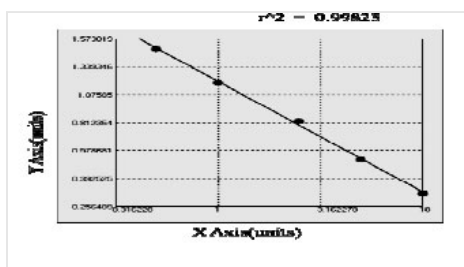
PRODUCT SYNONYMS

Superoxide dismutase [Cu-Zn] (SOD1); Mouse Superoxide dismutase [Cu-Zn] (SOD1) ELISA Kit; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 mug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD1 elisa kit

Intended Uses: This SOD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SOD1. This ELISA kit for research use only!

Principle of the Assay: SOD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SOD1 antibody and an SOD1-HRP conjugate. The assay sample and buffer are incubated together with SOD1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SOD1 concentration since SOD1 from samples and SOD1-HRP conjugate compete for the anti-SOD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SOD1 from the sample, fewer sites are left to bind SOD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SOD1 concentration in each sample is interpolated from this standard curve.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.