

Rat Superoxide Dismutase, Copper Chaperone ELISA Kit | SOD4 elisa kit

Rat Superoxide Dismutase, Copper Chaperone ELISA Kit

CATALOG #
AAA85998

REACTIVITY
Rat

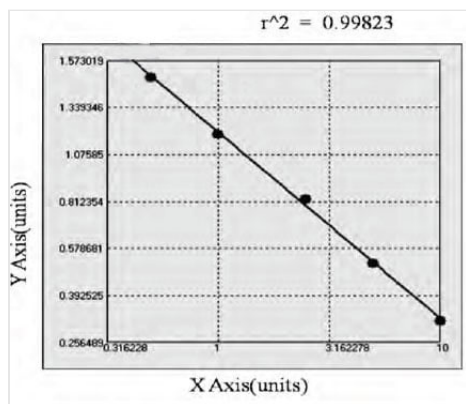
PRODUCT SYNONYMS

Superoxide Dismutase; Copper Chaperone; Rat Superoxide Dismutase; Copper Chaperone ELISA Kit; SOD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This SOD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SOD4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD4 elisa kit

Principle of the Assay: SOD4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SOD4 antibody and an SOD4-HRP conjugate. The assay sample and buffer are incubated together with SOD4-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 SOD4 concentration since SOD4 from samples and SOD4-HRP conjugate compete for the anti-SOD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by SOD4 from the sample, fewer sites are left to bind SOD4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SOD4 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/sod4-rat-elisa-kits/superoxide-dismutase-copper-chaperone/85998>