

Rat Superoxide dismutase (SOD) ELISA Kit | SOD elisa kit

Rat Superoxide dismutase (SOD) quantitative detection ELISA Kit

CATALOG #
AAA210642

REACTIVITY
Rat

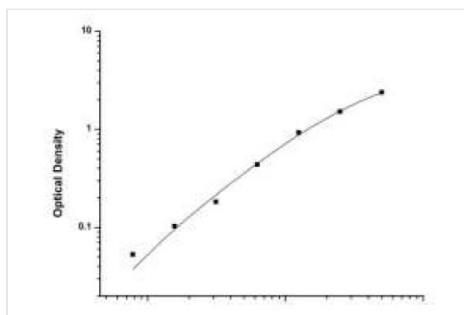
PRODUCT SYNONYMS

Superoxide dismutase (SOD); Rat Superoxide dismutase (SOD) quantitative detection ELISA Kit; SOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit identifies natural and recombinant Rat SOD, with No crossing with structural analogs.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, and cell culture supernatant
Detection Range	0.3125 ng/mL - 10 ng/mL
Sensitivity	< 0.1 ng/mL
Intra-assay Precision	In the same lot CV%<10?3 groups of known high, medium, and low concentration samples were evaluated 20 times on the same plate.
Inter-assay Precision	Different lot CV%<15: 3 groups of known high, medium, and low concentration samples were evaluated 20 times on different plates.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD elisa kit	Principle of the Assay: This ELISA kit applies the two steps quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with Rat SOD antibody (solid phase antigen), standards or samples are added to the microtiter plate wells, and the microtiter plate undergoes incubation. Add biotin antibody, incubate, wash thoroughly, and then add avidin enzyme. Wells are thoroughly washed to remove all unbound components, and a sandwich complex of solid antigen-antibody enzyme-labeled secondary antibodies is formed on the solid surface of the microplate. Next, Substrate solution A and substrate solution B are added to each well, and it will produce blue materials under HRP catalysis. The enzyme-substrate reaction is terminated by the addition of sulphuric acid and the color change to yellow. Measured spectrophotometrically at a wavelength of 450 nm, the absorbance (OD value) is positively correlated with the concentration of rat SOD in the sample. The concentration of SOD in the samples could be determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This kit is used for detecting the Rat SOD concentration of serum, plasma, and cell culture supernatant.
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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/rat-elisa-kits/superoxide-dismutase-sod/210642>