

Fish SOD (Superoxide Dismutases) ELISA Kit | SOD elisa kit

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CATALOG #
AAA28042

REACTIVITY
Fish

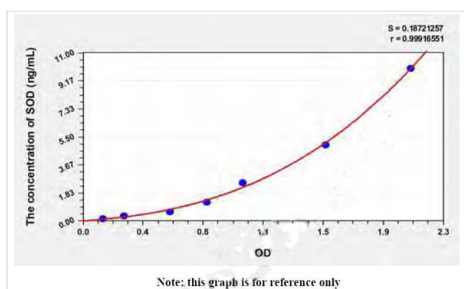
PRODUCT SYNONYMS

SOD (Superoxide Dismutases); Fish SOD (Superoxide Dismutases) ELISA Kit; Superoxide Dismutases; SOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Zebrafish SOD. No significant cross-reactivity or interference between Zebrafish SOD and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.069 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)?CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)?CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Zebrafish SOD. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Zebrafish SOD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Zebrafish SOD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Zebrafish SOD in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for SOD elisa kit

Enzyme & Kinase; Metabolic pathway; Endocrinology; Hepatology; Nutrition metabolism

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.

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Online datasheet: <https://www.aaabiotech.com/fish-elisa-kits/sod-superoxide-dismutases/28042>