

Human Superoxide dismutase (SOD1) ELISA Kit | SOD1 elisa kit

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CATALOG #
AAA244431

REACTIVITY
Human

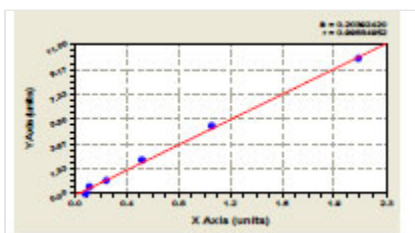
PRODUCT SYNONYMS

Superoxide dismutase (SOD1); Human Superoxide dismutase (SOD1) ELISA Kit; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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 Human SOD1. This ELISA kit for research use only!

Principle of the Assay||SOD1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SOD1. Standards or samples are then added to the microtiter plate wells and SOD1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SOD1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SOD1 are added to each well to "sandwich" the SOD1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SOD1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217184
Molecular Weight	22,905 Da
NCBI Official Full Name	superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn]
UniProt Gene Name	sodA
UniProt Entry Name	SODM_THEAQ

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://stage.aaabiotech.com/human-elisa-kits/superoxide-dismutase-sod1/244431>