

Monkey SOD1 ELISA Kit | SOD1 elisa kit

Monkey SOD1 (Superoxide Dismutase 1, Soluble) ELISA Kit

CATALOG #
AAA164080

REACTIVITY
Monkey

PRODUCT SYNONYMS

SOD1; Monkey SOD1 (Superoxide Dismutase 1; Soluble) ELISA Kit; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This kit recognizes Monkey SOD1 in samples. No significant cross-reactivity or interference between Monkey SOD1 and analogues was observed.
Sequence Length	154
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Monkey SOD1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Monkey SOD1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for SOD1 elisa kit

Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Monkey SOD1. During the reaction, Monkey SOD1 in the sample or standard competes with a fixed amount of Monkey SOD1 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Monkey SOD1. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of Monkey SOD1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Monkey SOD1 concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507149
NCBI GeneID	6647
NCBI Accession #	NP_000445.1
NCBI GenBank Nucleotide #	NM_000454.4

UniProt Accession #	P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4
Molecular Weight	15,936 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
NCBI Protein Information	superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; Cu/Zn superoxide dismutase; SOD, soluble; epididymis secretory protein Li 44; indophenoloxidase A; superoxide dismutase, cystolic
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	SOD1
UniProt Synonym Gene Names	hSod1
UniProt Entry Name	SODC_HUMAN

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://www.aaabiotech.com/monkey-elisa-kits/sod1/164080>