

Rat Catalase (CAT) ELISA Kit | CAT elisa kit

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CATALOG #
AAA65714

REACTIVITY
Rat

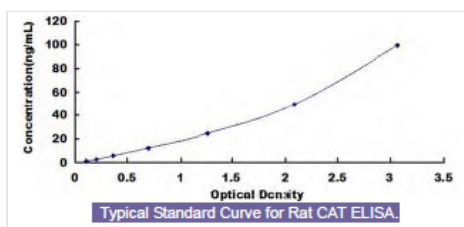
PRODUCT SYNONYMS

Catalase (CAT); Rat Catalase (CAT) ELISA Kit; CAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CAT. No significant cross-reactivity or interference between CAT and analogues was observed.
Sequence Length	527
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CAT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAT elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAT in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAT. 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 CAT, 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 CAT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978607
NCBI GeneID	24248
NCBI Accession #	NP_036652.1
NCBI GenBank Nucleotide #	NM_012520.2
UniProt Accession #	P04762
Molecular Weight	59,757 Da
NCBI Official Full Name	catalase
NCBI Official Synonym Full Names	catalase
NCBI Official Symbol	Cat
NCBI Official Synonym Symbols	CS1; Cas1; Catl; Cs-1; Cat01
NCBI Protein Information	catalase
UniProt Protein Name	Catalase
UniProt Gene Name	Cat
UniProt Synonym Gene Names	Cas1

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/rat-elisa-kits/catalase-cat/65714>