

Rat Catalase ELISA Kit | CAT elisa kit

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CATALOG #
AAA16331

REACTIVITY
Rat

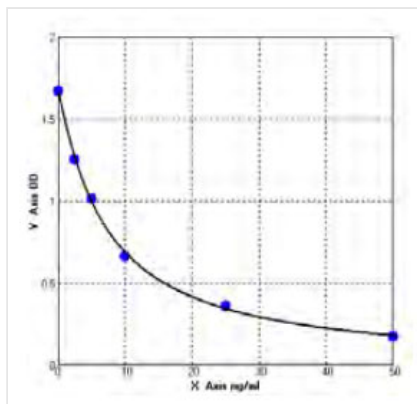
PRODUCT SYNONYMS

Catalase; Rat Catalase 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAT elisa kit	Principle of the Assay: CAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CAT antibody and an CAT-HRP conjugate. The assay sample and buffer are incubated together with CAT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CAT concentration since CAT from samples and CAT-HRP conjugate compete for the anti-CAT antibody binding site. Since the number of sites is limited, as more sites are occupied by CAT from the sample, fewer sites are left to bind CAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAT concentration in each sample is interpolated from this standard curve. Intended Uses: This CAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CAT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557014
NCBI GeneID	847
NCBI Accession #	NP_001743.1
NCBI GenBank Nucleotide #	NM_001752.3
Molecular Weight	59,756 Da
NCBI Official Full Name	catalase
NCBI Official Synonym Full Names	catalase
NCBI Official Symbol	CAT
NCBI Protein Information	catalase
UniProt Protein Name	Catalase
UniProt Gene Name	CAT
UniProt Entry Name	CATA_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.

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Online datasheet: <https://stage.aaabiotech.com/cat-rat-elisa-kits/catalase/16331>