

Rat catalase ELISA Kit | CAT elisa kit

Rat Catalase, Cat ELISA Kit

CATALOG #
AAA79923

REACTIVITY
Rat

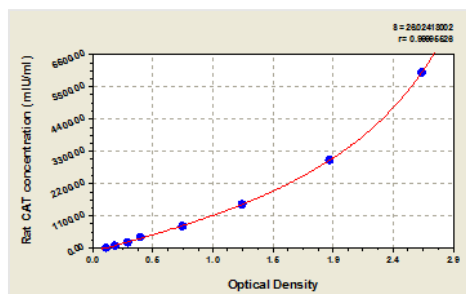
PRODUCT SYNONYMS

catalase; Rat Catalase; Cat ELISA Kit; Rat Catalase (CAT) ELISA kit; MGC138422; MGC138424; ; CAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat CAT. No significant cross-reactivity or interference between rat CAT and analogues was observed.
Sequence Length	527
Samples	Serum, plasma, cell culture supernates
Detection Range	93.75 mIU/ml -6000 mIU/mL
Sensitivity	<23.43 mIU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAT elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CAT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CAT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CAT bound in the initial step. The color development is stopped and the intensity of the color is measured.

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
UniProt Entry Name	CATA_RAT

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/cat-rat-elisa-kits/catalase/79923>