

Human Catalase (CAT) ELISA Kit | CAT elisa kit

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CATALOG #
AAA43399

REACTIVITY
Human

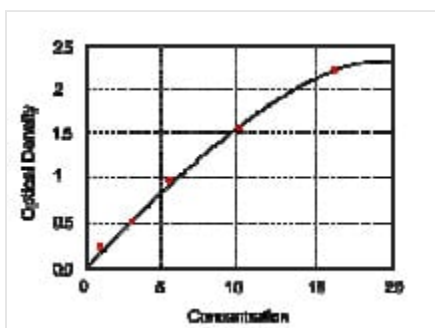
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	491
Samples	Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	2-600KU/L
Sensitivity	1.12KU/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAT elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Catalase (also known as CAT) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human CAT antibody. CAT present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human CAT Antibody is added and binds to CAT in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CAT antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human CAT. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22234
NCBI GeneID	542230
UniProt Accession #	P12365
Molecular Weight	56,466 Da
NCBI Official Full Name	catalase
NCBI Official Symbol	cat2
NCBI Official Synonym Symbols	Ct2; Cat0; ncr(cat2); GRMZM2G090568
NCBI Protein Information	catalase isozyme 2
UniProt Protein Name	Catalase isozyme 2
UniProt Gene Name	CAT2

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/human-elisa-kits/catalase-cat/43399>