

Fish Catalase ELISA Kit | CAT elisa kit

Fish Catalase (CAT) ELISA Kit

CATALOG #
AAA55701

REACTIVITY
Fish

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Fish CAT. No significant cross-reactivity or interference between Fish CAT and analogues was observed.
Sequence Length	527
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625 ng/mL - 40 ng/mL
Sensitivity	0.31 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times 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 forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CAT elisa kit

Intended Uses: For the quantitative detection of Fish Catalase (CAT) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CAT in Fish serum, plasma. An 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, Streptavidin 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 #	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/cat-fish-elisa-kits/catalase/55701>