

Fish High density lipoprotein (HDL) ELISA Kit | HDL elisa kit

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CATALOG #
AAA190321

REACTIVITY
Fish

PRODUCT SYNONYMS

High density lipoprotein (HDL); Fish High density lipoprotein (HDL) ELISA Kit; HDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Fish HDL. No significant cross-reactivity or interference between Fish HDL and analogues was observed.
Sequence Length	17
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12 ug/mL - 200 ug/mL
Sensitivity	1.56 ug/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 HDL elisa kit

Intended Uses: For the quantitative detection of Fish High density lipoprotein (HDL) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HDL in Fish serum, plasma. An antibody specific for HDL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HDL present is bound by the immobilized antibody. After removing any unbound substances, a biotinconjugated antibody specific for HDL 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 HDL bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: High-density lipoproteins (HDL) form a class of lipoproteins, varying somewhat in their size (8-11 nm in diameter), that carry cholesterol from the bodys tissues to the liver. About thirty percent of blood cholesterol is carried by HDL. HDL is the smallest of the lipoprotein particles. They are the densest because they contain the highest proportion of protein. It is hypothesised that HDL can remove cholesterol from atheroma within arteries and transport it back to the liver for excretion or re-utilization-which is the main reason why HDL-bound cholesterol is sometimes called "good cholesterol", or HDL-C. A high level of HDL-C seems to protect against cardiovascular diseases, and low HDL cholesterol levels (less than 40 mg/dL) increase the risk for heart disease. When measuring cholesterol, any contained in HDL particles is considered as protection to the bodys cardiovascular health, in contrast to "bad" LDL cholesterol.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1245864
NCBI Official Full Name	high density lipoprotein, HDL {N-terminal}

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/fish-elisa-kits/high-density-lipoprotein-hdl/190321>