

Mouse High Density Lipoprotein ELISA Kit | HDL elisa kit

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CATALOG #
AAA17514

REACTIVITY
Mouse

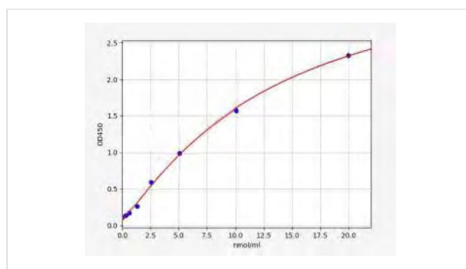
PRODUCT SYNONYMS

High Density Lipoprotein; Mouse High Density Lipoprotein ELISA Kit; HDL/High Density Lipoprotein; HDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize HDL, no obvious cross reaction with other analogues
Sequence Length	1268
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20nmol/ml
Sensitivity	0.188nmol/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDL elisa kit	Background: High-density lipoprotein (HDL) is a complex mixture of lipoproteins that is associated with many minor proteins and lipids that influence the function of HDL. HDL are well known for their protective role against the development and progression of atherosclerosis. Through the same mechanisms HDL could also affect cancer cell proliferation and tumor progression. In addition, HDL reduce oxidative stress and the levels of proinflammatory molecules in cancer cells and in the tumor microenvironment (TME). Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti HDL antibody was precoated onto the 96-well plate. The biotin conjugated anti HDL antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with HDL conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of HDL in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	183892
Molecular Weight	137,987 Da
NCBI Official Full Name	high density lipoprotein binding protein
UniProt Protein Name	Vigilin
UniProt Gene Name	HDLBP
UniProt Synonym Gene Names	HBP; VGL; HDL-binding protein
UniProt Entry Name	VIGLN_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/hdl-mouse-elisa-kits/high-density-lipoprotein/17514>