

Human Very Low Density Lipoprotein (VLDL) ELISA Kit | VLDL elisa kit

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CATALOG #
AAA330277

REACTIVITY
Human

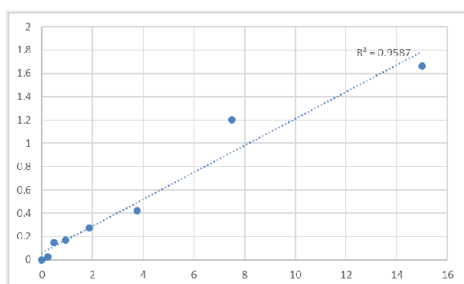
PRODUCT SYNONYMS

Very Low Density Lipoprotein (VLDL); Human Very Low Density Lipoprotein (VLDL) ELISA Kit; VLDL; Pre-beta-Lipoprotein; Pre-Beta Lipoprotein; VLDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Very low density lipoprotein (VLDL) ELISA Kit has high sensitivity and excellent specificity for detection of Human VLDL. No significant cross-reactivity or interference between Human VLDL and analogues was observed.
Sequence Length	97
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Very low density lipoprotein (VLDL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VLDL elisa kit	Description: This Human Very low density lipoprotein (VLDL) ELISA Kit employs a two-site sandwich ELISA to quantitate VLDL in samples. An antibody specific for VLDL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VLDL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VLDL 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 VLDL bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: VLDL is a type of lipoprotein made by the liver. VLDL is one of the five major groups of lipoproteins (chylomicrons, VLDL, intermediate-density lipoprotein, low-density lipoprotein, high-density lipoprotein) that enable fats and cholesterol to move within the water-based solution of the bloodstream. VLDL is assembled in the liver from cholesterol and apolipoproteins. VLDL is converted in the bloodstream to low-density lipoprotein (LDL). VLDL particles have a diameter of 30-80 nm. VLDL transports endogenous products, whereas chylomicrons transport exogenous (dietary) products. VLDL transports endogenous triglycerides, phospholipids, cholesterol, and cholesteryl esters. It functions as the body's internal transport mechanism for lipids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	452883489
NCBI Official Full Name	very low density lipoprotein, partial

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/human-elisa-kits/very-low-density-lipoprotein-vldl/330277>