

Human Lipoprotein alpha (Lp-a) ELISA Kit | Lp-a elisa kit

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CATALOG #
AAA331932

REACTIVITY
Human

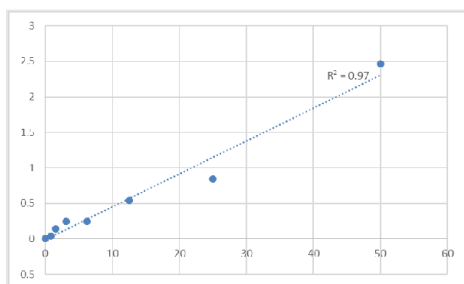
PRODUCT SYNONYMS

Lipoprotein alpha (Lp-a); Human Lipoprotein alpha (Lp-a) ELISA Kit; Lp-a; LP-A; AK38; APOA; LP; OTTHUMP00000017543; antiangiogenic AK38 protein; apolipoprotein(a); lipoprotein Lp(a); Lp-a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lipoprotein alpha (Lp-a) ELISA Kit has high sensitivity and excellent specificity for detection of Human Lp-a. No significant cross-reactivity or interference between Human Lp-a and analogues was observed.
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 Lipoprotein alpha (Lp-a) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for Lp-a elisa kit	Description: This Human Lipoprotein alpha (Lp-a) ELISA Kit employs a two-site sandwich ELISA to quantitate Lp-a in samples. An antibody specific for Lp-a has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Lp-a present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Lp-a 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 Lp-a bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Lipoprotein(a) consists of an LDL-like particle and the specific apolipoprotein(a), which is covalently bound to the apoB of the LDL like particle. Lp(a) plasma concentrations are highly heritable and mainly controlled by the apolipoprotein(a) gene located on chromosome 6q26-27. Apo(a) proteins vary in size due to a size polymorphism, which is caused by a variable number of so called kringle IV repeats in the LPA gene. This size variation at the gene level is expressed on the protein level as well, resulting in apo(a) proteins with 10 to > 50 kringle IV repeats. These variable apo(a) sizes are known as "apo(a) isoforms". There is a general inverse correlation between the size of the apo(a)isoform and the Lp(a) plasma concentration which is caused by a variable rate of degradation before the apo(a) protein has matured for Lp(a) assembly.
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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/human-elisa-kits/lipoprotein-alpha-lp-a/331932>