

Chicken Apolipoprotein A1 ELISA Kit | APOA1 elisa kit

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CATALOG #
AAA90089

REACTIVITY
Chicken

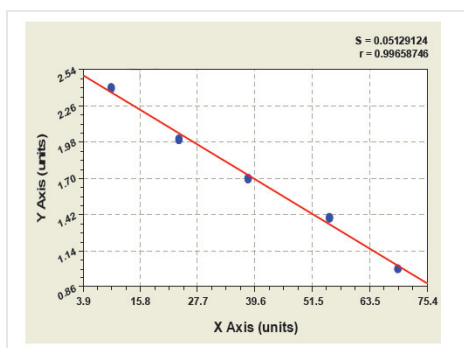
PRODUCT SYNONYMS

Apolipoprotein A1; Chicken Apolipoprotein A1 ELISA Kit; APOA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This Apo-A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken Apo-A1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOA1 elisa kit

Principle of the Assay: Apo-A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Apo-A1 antibody and an Apo-A1-HRP conjugate. The assay sample and buffer are incubated together with Apo-A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Apo-A1 concentration since Apo-A1 from samples and Apo-A1-HRP conjugate compete for the anti-Apo-A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Apo-A1 from the sample, fewer sites are left to bind Apo-A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Apo-A1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for APOA1 elisa kit

[Cardiovascular](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557321
NCBI GeneID	335
NCBI Accession #	NP_000030.1
NCBI GenBank Nucleotide #	NM_000039.1
Molecular Weight	30,778 Da
NCBI Official Full Name	apolipoprotein A-I preproprotein
NCBI Official Synonym Full Names	apolipoprotein A-I
NCBI Official Symbol	APOA1
NCBI Protein Information	apolipoprotein A-I; apo-AI
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Synonym Gene Names	Apo-AI; ApoA-I; ProapoA-I
UniProt Entry Name	APOA1_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/apoa1-chicken-elisa-kits/apolipoprotein-a1/90089>