

Canine Apolipoprotein A1 ELISA Kit | APOA1 elisa kit

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CATALOG #
AAA93422

REACTIVITY
Canine

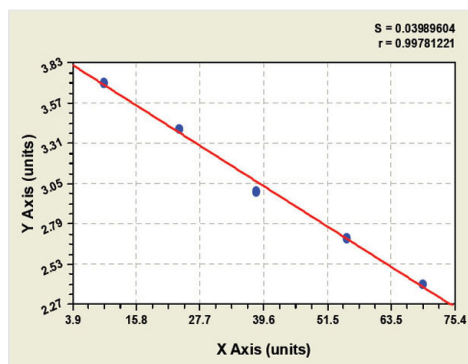
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ug/mL
Sensitivity	0.1ug/mL
Intended Uses	This APOA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine APOA1. 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: APOA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-APOA1 antibody and an APOA1-HRP conjugate. The assay sample and buffer are incubated together with APOA1-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 APOA1 concentration since APOA1 from samples and APOA1-HRP conjugate compete for the anti-APOA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by APOA1 from the sample, fewer sites are left to bind APOA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APOA1 concentration in each sample is interpolated from this standard curve.

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-canine-elisa-kits/apolipoprotein-a1/93422>