

Canine Apolipoprotein C1 ELISA Kit | APOC1 elisa kit

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CATALOG #
AAA88482

REACTIVITY
Canine

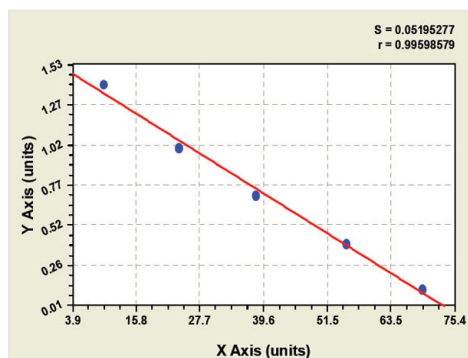
PRODUCT SYNONYMS

Apolipoprotein C1; Canine Apolipoprotein C1 ELISA Kit; APOC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOC1 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This APOC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine APOC1. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY APOC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-APOC1 antibody and an APOC1-HRP conjugate. The assay sample and buffer are incubated together with APOC1-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 APOC1 concentration since APOC1 from samples and APOC1-HRP conjugate compete for the anti-APOC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by APOC1 from the sample, fewer sites are left to bind APOC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APOC1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for APOC1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502157
NCBI GeneID	341
NCBI Accession #	NP_001636.1
NCBI GenBank Nucleotide #	NM_001645.3
Molecular Weight	9,332 Da
NCBI Official Full Name	apolipoprotein C-I
NCBI Official Synonym Full Names	apolipoprotein C-I
NCBI Official Symbol	APOC1
NCBI Protein Information	apolipoprotein C-I; apo-CIB; apoC-IB; apolipoprotein C1; apolipoprotein C-I variant I
UniProt Protein Name	Apolipoprotein C-I
UniProt Gene Name	APOC1
UniProt Entry Name	APOC1_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.