

Canine Apoprotein B100 ELISA Kit | Apo-B100 elisa kit

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CATALOG #
AAA92204

REACTIVITY
Canine

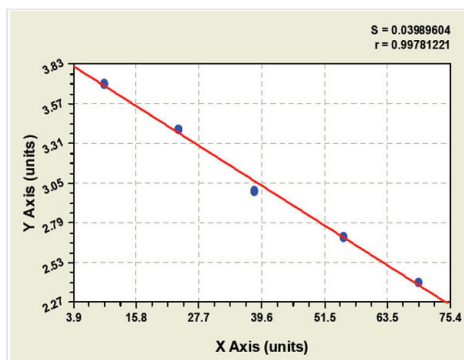
PRODUCT SYNONYMS

Apoprotein B100; Canine Apoprotein B100 ELISA Kit; Apo-B100 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 Apo-B100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Apo-B100. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apo-B100 elisa kit	Principle of the Assay: Apo-B100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Apo-B100 antibody and an Apo-B100-HRP conjugate. The assay sample and buffer are incubated together with Apo-B100-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-B100 concentration since Apo-B100 from samples and Apo-B100-HRP conjugate compete for the anti-Apo-B100 antibody binding site. Since the number of sites is limited, as more sites are occupied by Apo-B100 from the sample, fewer sites are left to bind Apo-B100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Apo-B100 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Apo-B100 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	28780
NCBI GeneID	338
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8
Molecular Weight	515,605 Da
NCBI Official Full Name	apo-B100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	APOB
NCBI Official Synonym Symbols	FLDB; LDLCQ4
NCBI Protein Information	apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; apolipoprotein B (including Ag(x) antigen)
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	APOB
UniProt Synonym Gene Names	Apo B-100; Apo B-48
UniProt Entry Name	APOB_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.