

Hamster apolipoprotein B (APOB) ELISA Kit | APOB elisa kit

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CATALOG #
AAA309832

REACTIVITY
Hamster

PRODUCT SYNONYMS

apolipoprotein B (APOB); Hamster apolipoprotein B (APOB) ELISA kit; APOB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Hamster
Specificity	This assay has high sensitivity and excellent specificity for detection of Hamster APOB. No significant crossreactivity or interference between Hamster APOB and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6 ug/mL - 1000 ug/mL
Sensitivity	5.2 ug/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C

ADDITIONAL INFORMATION

Related Product Information for APOB elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate APOB in Hamster serum, plasma, tissue homogenates. An antibody specific for APOB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any APOB present is bound by the immobilized antibody. After removing any unbound substances, a biotin- conjugated antibody specific for APOB 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 APOB bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Hamster apolipoprotein B (APOB) concentration in serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	105990532
NCBI GeneID	338
NCBI Accession #	NP_000375.2
NCBI GenBank Nucleotide #	NM_000384.2
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8

Molecular Weight	515,605 Da
NCBI Official Full Name	apolipoprotein B-100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	APOB
NCBI Official Synonym Symbols	FLDB; LDLCQ4; apoB-48; apoB-100
NCBI Protein Information	apolipoprotein B-100
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	APOB
UniProt Synonym Gene Names	Apo B-100; Apo B-48

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://www.aaabiotech.com/hamster-elisa-kits/apolipoprotein-b-apob/309832>