

Human Apolipoprotein D (APOD) ELISA Kit | APOD elisa kit

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CATALOG #
AAA137403

REACTIVITY
Human

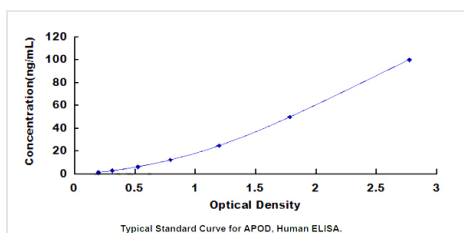
PRODUCT SYNONYMS

Apolipoprotein D (APOD); Human Apolipoprotein D (APOD) ELISA Kit; Apo-D; APOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APOD. No significant cross-reactivity or interference between APOD and analogues was observed.
Sequence Length	189
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level APOD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOD elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to APOD. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to APOD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain APOD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of APOD in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOD in human serum, plasma and other biological fluids.
Product Categories/Family for APOD elisa kit	Metabolic pathway; Endocrinology; Cardiovascular biology; Hepatology; Nutrition metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	178841
NCBI GeneID	347
Molecular Weight	21,276 Da
NCBI Official Full Name	apolipoprotein D
NCBI Official Synonym Full Names	apolipoprotein D
NCBI Official Symbol	APOD
NCBI Protein Information	apolipoprotein D
UniProt Protein Name	Apolipoprotein D
UniProt Gene Name	APOD
UniProt Synonym Gene Names	Apo-D; ApoD
UniProt Entry Name	APOD_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/apolipoprotein-d-apod/137403>