

Rat Apolipoprotein D ELISA Kit | APOD elisa kit

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CATALOG #
AAA82346

REACTIVITY
Rat

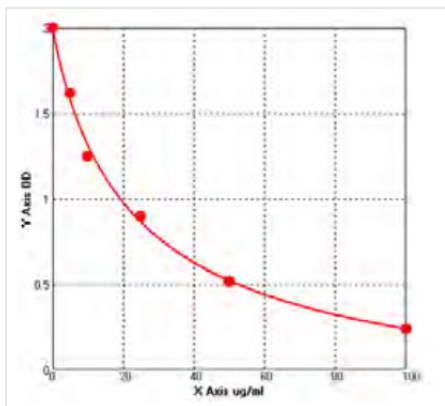
PRODUCT SYNONYMS

Apolipoprotein D; Rat Apolipoprotein D ELISA Kit; APOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ApoD and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOD elisa kit	Principle of the Assay: ApoD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ApoD antibody and an ApoD-HRP conjugate. The assay sample and buffer are incubated together with ApoD-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 ApoD concentration since ApoD from samples and ApoD-HRP conjugate compete for the anti-ApoD antibody binding site. Since the number of sites is limited, as more sites are occupied by ApoD from the sample, fewer sites are left to bind ApoD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ApoD concentration in each sample is interpolated from this standard curve. Intended Uses: This ApoD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ApoD. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for APOD elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502163
NCBI GeneID	347
NCBI Accession #	NP_001638.1
NCBI GenBank Nucleotide #	NM_001647.3
UniProt Accession #	P05090; Q6IBG6; B2R579; D3DNW6
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; apo-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.

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Online datasheet: <https://www.aaabiotech.com/apod-rat-elisa-kits/apolipoprotein-d/82346>