

Monkey Apolipoprotein L4 (APOL4) ELISA Kit | APOL4 elisa kit

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CATALOG #
AAA244447

REACTIVITY
Monkey

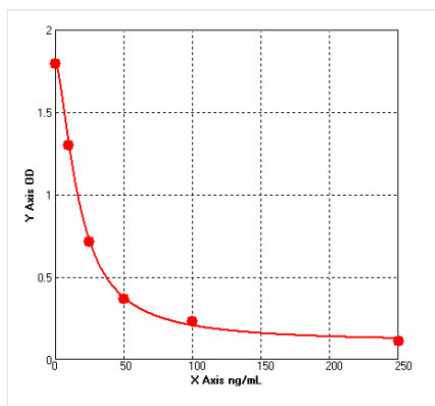
PRODUCT SYNONYMS

Apolipoprotein L4 (APOL4); Monkey Apolipoprotein L4 (APOL4) ELISA Kit; APOL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of ApoL4. No significant cross-reactivity or interference between ApoL4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ApoL4 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 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOL4 elisa kit	Principle of the Assay: ApoL4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ApoL4 antibody and an ApoL4-HRP conjugate. The assay sample and buffer are incubated together with ApoL4-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 ApoL4 concentration since ApoL4 from samples and ApoL4-HRP conjugate compete for the anti-ApoL4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ApoL4 from the sample, fewer sites are left to bind ApoL4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ApoL4 concentration in each sample is interpolated from this standard curve. Intended Uses: This ApoL4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey ApoL4. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22035657
NCBI GeneID	80832
NCBI Accession #	NP_663693.1
NCBI GenBank Nucleotide #	NM_145660.2
Molecular Weight	38,619 Da
NCBI Official Full Name	apolipoprotein L4 isoform 2
NCBI Official Synonym Full Names	apolipoprotein L, 4
NCBI Official Symbol	APOL4
NCBI Official Synonym Symbols	APOLIV; APOL-IV
NCBI Protein Information	apolipoprotein L4; apolipoprotein L-IV
UniProt Protein Name	Apolipoprotein L4
UniProt Gene Name	APOL4
UniProt Synonym Gene Names	ApoL-IV
UniProt Entry Name	APOL4_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.