

Human Apolipoprotein O (APOO) ELISA Kit | APOO elisa kit

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CATALOG #
AAA66223

REACTIVITY
Human

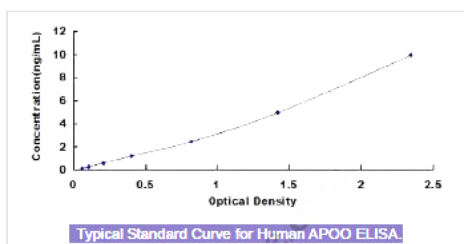
PRODUCT SYNONYMS

Apolipoprotein O (APOO); Human Apolipoprotein O (APOO) ELISA Kit; Apo-O; FAM121B; My025; Family With Sequence Similarity 121B; APOO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APOO. No significant cross-reactivity or interference between APOO and analogues was observed.
Sequence Length	198
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.073ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOO 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 APOO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOO elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOO in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APOO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APOO. 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 APOO, 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 APOO in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13129148
NCBI GeneID	79135
NCBI Accession #	NP_077027.1
NCBI GenBank Nucleotide #	NM_024122.4
UniProt Accession #	Q9BUR5; Q9H3J9; B2R4K9
Molecular Weight	20,199 Da
NCBI Official Full Name	MICOS complex subunit MIC26
NCBI Official Synonym Full Names	apolipoprotein O
NCBI Official Symbol	APOO
NCBI Official Synonym Symbols	MIC26; Mic23; My025; FAM121B
NCBI Protein Information	MICOS complex subunit MIC26
UniProt Protein Name	MICOS complex subunit MIC26
UniProt Gene Name	APOO

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.