Apolipoprotein Antibodies (AHA) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Apolipoprotein Antibodies (AHA), ELISA Kit
Full Product Name	Human Apolipoprotein Antibodies ELISA Kit
Product Gene Name	AHA elisa kit
Species Reactivity	Human
Assay Type	Sandwich (Quantitative)
Detection Range	0.625ng/ml-20ng/ml.
Sensitivity	0.1ng/ml.
Specificity	No significant cross-reactivity or interference between this analyte and analogues is observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100].
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Molecular Weight	114,874 Da
OMIM	605220
3D Structure	ModBase 3D Structure for Q0VD83
Related Product Information for AHA elisa kit	Background: This Quantitative Sandwich ELISA kit is only for in vitro research use only! This kit is intended to be used for determination the level of Anti-AH (hereafter termed "analyte") in undiluted original Human body fluids, tissue homogenates, secretions or feces samples. This kit is NOT suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of AHA elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AHA purchase	MBS006887 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Apolipoprotein Antibodies (AHA) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing AHA. The ELISA analytical biochemical technique of the MBS006887 kit is based on AHA antibody-AHA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect AHA antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, AHA. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AHA. It may not necessarily be applicable to this product.

NCBI GI #	519668661
NCBI GeneID	55911
NCBI Accession #	Q0VD83.2
UniProt Primary Accession #	Q0VD83
UniProt Secondary Accession #	Q0VD81; Q8NC15; Q9NPJ9; H3BU97

UniProt Related Accession #	Q0VD83
NCBI Official Full Name	Apolipoprotein B receptor
NCBI Official Synonym Full Names	apolipoprotein B receptor
NCBI Official Symbol	APOBR
NCBI Official Synonym Symbols	APOB48R; APOB100R
UniProt Protein Name	Apolipoprotein B receptor
UniProt Synonym Protein Names	Apolipoprotein B-100 receptor; Apolipoprotein B-48 receptor
UniProt Gene Name	APOBR
UniProt Synonym Gene Names	APOB48R; Apolipoprotein B48 receptor; apoB-48R
UniProt Entry Name	APOBR_HUMAN
NCBI Protein Information	apolipoprotein B receptor; apoB-48R; apolipoprotein B48 receptor; apolipoprotein B-48 receptor; apolipoprotein B100 receptor; apolipoprotein B-100 receptor
NCBI Summary for AHA	Apolipoprotein B48 receptor is a macrophage receptor that binds to the apolipoprotein B48 of dietary triglyceride (TG)-rich lipoproteins. This receptor may provide essential lipids, lipid-soluble vitamins and other nutrients to reticuloendothelial cells. If overwhelmed with elevated plasma triglyceride, the apolipoprotein B48 receptor may contribute to foam cell formation, endothelial dysfunction, and atherothrombogenesis. [provided by RefSeq, Jul 2008]
UniProt Comments for AHA	APOB48R: Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG- VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc. Chromosomal Location of Human Ortholog: 16p11 Cellular Component: chylomicron; membrane; plasma membrane Molecular Function: very-low-density lipoprotein receptor activity Biological Process: cholesterol metabolic process; receptor-mediated endocytosis; triacylglycerol metabolic process; lipid transport
Research Articles on AHA	**1.** The obesity risk alleles of non-synonymous SNPs at SH2B1 and APOB48R have no strong effect on weight loss-related phenotypes in overweight children after a 1-year lifestyle intervention.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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