Apolipoprotein Antibodies (AHA) ELISA Kit for Canine

PRODUCT OVERVIEW

Product Name	Apolipoprotein Antibodies (AHA), ELISA Kit
Full Product Name	Canine Apolipoprotein Antibodies ELISA Kit
Product Gene Name	AHA elisa kit
Species Reactivity	Canine
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	114,874 Da
OMIM	605220
3D Structure	ModBase 3D Structure for Q0VD83
Related Product Information for AHA elisa kit	MBS043994 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 MBS043994 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(%).
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.

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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