Lipoprotein A (LP-A) ELISA Kit for Cat

PRODUCT OVERVIEW

Product Name	Lipoprotein A (LP-A), ELISA Kit
Full Product Name	Cat Lipoprotein A ELISA Kit
Product Gene Name	LP-A elisa kit
Species Reactivity	Cat
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	501,319 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (160952515..161087407, complement). Location: 6q26
OMIM	152200
3D Structure	ModBase 3D Structure for P08519
Related Product Information for LP-A elisa kit	MBS095086 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Lipoprotein A (LP-A) 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 LP-A. The ELISA analytical biochemical technique of the MBS095086 kit is based on LP-A antibody-LP-A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LP-A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LP-A. 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 LP-A 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 LP-A. It may not necessarily be applicable to this product.

NCBI GI #	119567981
NCBI GeneID	4018
NCBI Accession #	EAW47596.1
UniProt Primary Accession #	P08519
UniProt Secondary Accession #	Q5VTD7; Q9UD88
UniProt Related Accession #	P08519
NCBI Official Full Name	lipoprotein, Lp(a)
NCBI Official Synonym Full Names	lipoprotein, Lp(a)
NCBI Official Symbol	LPA
NCBI Official Synonym Symbols	LP; AK38; APOA
UniProt Protein Name	Apolipoprotein(a)
Protein Family	Lipoprotein
UniProt Gene Name	LPA

UniProt Synonym Gene Names	Apo(a); Lp(a)
UniProt Entry Name	APOA_HUMAN
NCBI Protein Information	apolipoprotein(a); apolipoprotein(a); lp(a); apo(a); antiangiogenic AK38 protein
NCBI Summary for LP-A	The protein encoded by this gene is a serine proteinase that inhibits the activity of tissue-type plasminogen activator I. The encoded protein constitutes a substantial portion of lipoprotein(a) and is proteolytically cleaved, resulting in fragments that attach to atherosclerotic lesions and promote thrombogenesis. Elevated plasma levels of this protein are linked to atherosclerosis. Depending on the individual, the encoded protein contains 2-43 copies of kringle-type domains. The allele represented here contains 15 copies of the kringle-type repeats and corresponds to that found in the reference genome sequence. [provided by RefSeq, Dec 2009]
UniProt Comments for LP-A	LPA: Apo(a) is the main constituent of lipoprotein(a) (Lp(a)). It has serine proteinase activity and is able of autoproteolysis. Inhibits tissue-type plasminogen activator 1. Lp(a) may be a ligand for megalin/Gp 330. Belongs to the peptidase S1 family. Plasminogen subfamily. Protein type: EC 3.4.21.-; Inhibitor; Protease Chromosomal Location of Human Ortholog: 6q26 Cellular Component: extracellular region Molecular Function: heparin binding; protein binding; serine-type endopeptidase activity; fibronectin binding; endopeptidase inhibitor activity; apolipoprotein binding Biological Process: receptor-mediated endocytosis; blood circulation; lipoprotein metabolic process; lipid metabolic process; proteolysis; lipid transport
Research Articles on LP-A	**1.** Letter: no evidence of relationship of circulating Lp(a) levels or Lp(a) polymorphisms with future venous thromboembolism.
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