

Human APLP2 (Amyloid-like protein 2) ELISA Kit | APLP2 elisa kit

Human APLP2 (Amyloid-like protein 2) ELISA Kit

CATALOG #
AAA248164

REACTIVITY
Human

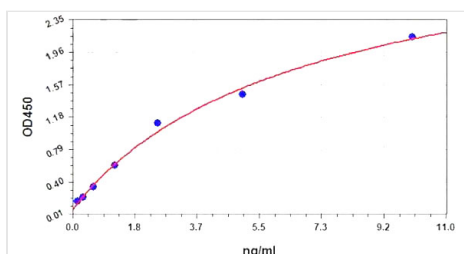
PRODUCT SYNONYMS

APLP2 (Amyloid-like protein 2); Human APLP2 (Amyloid-like protein 2) ELISA Kit; APLP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize APLP2, no obvious cross reaction with other analogues
Sequence Length	763
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APLP2 elisa kit	Background: Amyloid precursor-like protein 2 (APLP2) is a member of a protein family related to the amyloid precursor protein. The amyloid precursor-like protein 2 molecule is a type I transmembrane protein that is crucial for survival, cell-cell adhesion, neuronal development, myelination, cancer metastasis, modulation of metal, and glucose and insulin homeostasis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti APLP2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti APLP2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with APLP2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of APLP2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502147
NCBI GeneID	334
NCBI Accession #	NP_001633.1
NCBI GenBank Nucleotide #	NM_001642.2
UniProt Accession #	Q06481; Q13861; Q14594; Q14662; Q71U10; Q7M4L3; Q9BT36; B3KXX9; H7BXI4
Molecular Weight	87,215 Da
NCBI Official Full Name	amyloid-like protein 2 isoform 1
NCBI Official Synonym Full Names	amyloid beta precursor like protein 2
NCBI Official Symbol	APLP2
NCBI Official Synonym Symbols	APPH; APPL2; CDEBP; APLP-2
NCBI Protein Information	amyloid-like protein 2
UniProt Protein Name	Amyloid-like protein 2
UniProt Gene Name	APLP2
UniProt Synonym Gene Names	APPL2; APLP-2; CDEBP

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.