

Human Amyloid like protein 1 (APLP1) ELISA Kit | APLP1 elisa kit

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CATALOG #
AAA246349

REACTIVITY
Human

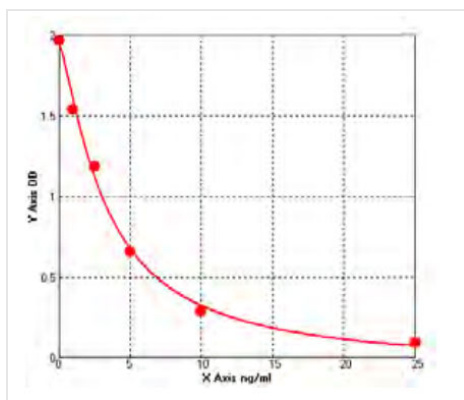
PRODUCT SYNONYMS

Amyloid like protein 1 (APLP1); Human Amyloid like protein 1 (APLP1) ELISA Kit; APLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APLP1. No significant cross-reactivity or interference between APLP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between APLP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APLP1 elisa kit	Principle of the Assay: APLP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-APLP1 antibody and an APLP1-HRP conjugate. The assay sample and buffer are incubated together with APLP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the APLP1 concentration since APLP1 from samples and APLP1-HRP conjugate compete for the anti-APLP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by APLP1 from the sample, fewer sites are left to bind APLP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APLP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This APLP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human APLP1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for APLP1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885065
NCBI GeneID	333
NCBI Accession #	NP_005157.1
NCBI GenBank Nucleotide #	NM_005166.3
Molecular Weight	72,247 Da
NCBI Official Full Name	amyloid-like protein 1 isoform 2
NCBI Official Synonym Full Names	amyloid beta (A4) precursor-like protein 1
NCBI Official Symbol	APLP1
NCBI Official Synonym Symbols	APLP
NCBI Protein Information	amyloid-like protein 1; APLP-1; amyloid precursor-like protein 1
UniProt Protein Name	Amyloid-like protein 1
UniProt Gene Name	APLP1
UniProt Synonym Gene Names	APLP; APLP-1
UniProt Entry Name	APLP1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/amyloid-like-protein-1-aplp1/246349>