

APLP1 elisa kit

Human APLP1 ELISA Kit

CATALOG #
AAA125379

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

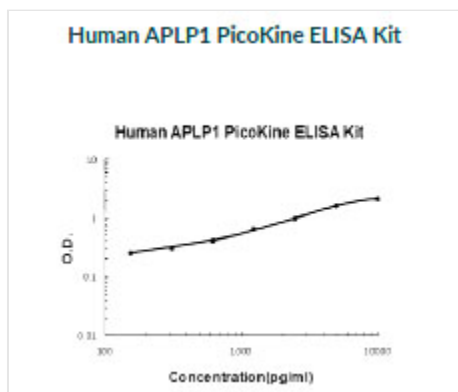
PRODUCT SYNONYMS

APLP1; Human APLP1 ELISA Kit; Human APLP1; Amyloid-like protein 1; APLP; APLP-1; C30; APLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human APLP1
Sequence Length	650
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APLP1 elisa kit	Principle of the Assay: The Picokine™ Human APLP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human APLP1 with a 96-well strip plate that is pre-coated with antibody specific for APLP1. The detection antibody is a biotinylated antibody specific for APLP1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Human APLP1 with immunogen: Expression system for standard: NSO, Immunogen sequence: S39-E580. The kit is analytically validated with ready to use reagents. To measure Human APLP1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human APLP1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human APLP1 in the sample.!!Background/Introduction: This gene encodes a member of the highly conserved amyloid precursor protein gene family. It is mapped to 19q13.12. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28558769
NCBI GeneID	333
UniProt Accession #	P51693
NCBI Official Full Name	Amyloid-like protein 1
NCBI Official Synonym Full Names	amyloid beta precursor like protein 1
NCBI Official Symbol	APLP1
NCBI Official Synonym Symbols	APLP
NCBI Protein Information	amyloid-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.