

Human APP (Amyloid-beta precursor protein) ELISA Kit | APP elisa kit

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CATALOG #
AAA249660

REACTIVITY
Human

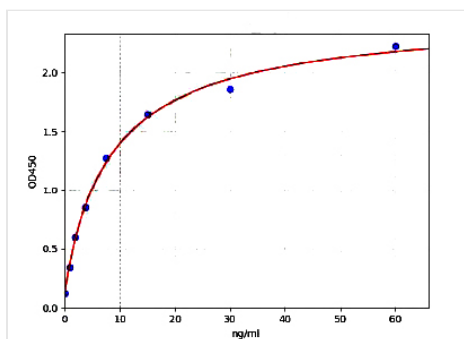
PRODUCT SYNONYMS

APP (Amyloid-beta precursor protein); Human APP (Amyloid-beta precursor protein) ELISA Kit; APP; Amyloid-beta precursor protein; ABPP; APPI; Alzheimer disease amyloid protein; Amyloid precursor protein; Amyloid-beta A4 protein; Cerebral vascular amyloid peptide; CVAP; PreA4; Protease nexin-II; PN-II; N-APP; Soluble APP-alpha; S-APP-alpha; Soluble APP-beta; S-APP-beta; C99; Beta-secretase C-terminal fragment; Beta-CTF; Amyloid-beta protein 42; Abeta42; Beta-APP42; Amyloid-beta protein 40; Abeta40; Beta-APP40; C83; Alpha-secretase C-terminal fragment; Alpha-CTF; P3(42); P3(40); C80; Gamma-secretase C-terminal fragment 59; Amyloid intracellular domain 59; AICD-59; AID(59); Gamma-CTF(59); Gamma-secretase C-terminal fragment 57; Amyloid intracellular domain 57; AICD-57; AID(57); Gamma-CTF(57); Gamma-secretase C-terminal fragment 50; Amyloid intracellular domain 50; AICD-50; AID(50); Gamma-CTF(50); C31; A4; AD1; APP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APP. No significant cross-reactivity or interference between APP and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.938-60ng/ml
Sensitivity	0.563ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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 APP elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	86,943 Da
NCBI Official Full Name	amyloid beta A4 protein isoform a
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APP1; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; alzheimer disease amyloid protein; cerebral vascular amyloid peptide
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	APP
UniProt Synonym Gene Names	A4; AD1; APP; CVAP; PN-II; S-APP-alpha; S-APP-beta; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)
UniProt Entry Name	A4_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/app-amyloid-beta-precursor-protein/249660>