

Human Amyloid Precursor Protein (APP) ELISA Kit | APP elisa kit

Human Amyloid Precursor Protein (APP) Wide-range ELISA Kit

CATALOG # AAA189183	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

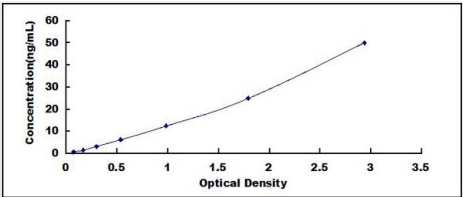
PRODUCT SYNONYMS

Amyloid Precursor Protein (APP); Human Amyloid Precursor Protein (APP) Wide-range ELISA Kit; Amyloid Precursor Protein; AAA; ABeta; ABPP; AD1; APPI; CVAP; PN2; CTFgamma; Peptidase Nexin-II Alzheimer Disease; Peptidase Nexin-II; Amyloid Beta(A4)Precursor Protein; APP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Amyloid Precursor Protein (APP). No significant cross-reactivity or interference between Wide-range Amyloid Precursor Protein (APP) and analogues was observed.
Sequence Length	770
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, cerebrospinal fluid and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.27ng/mL
Applicable Applications for APP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Amyloid Precursor Protein (APP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Amyloid Precursor Protein (APP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Amyloid Precursor Protein (APP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Amyloid Precursor Protein (APP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Wide-range Amyloid Precursor Protein (APP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Wide-range Amyloid Precursor Protein (APP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NP_000475.1
UniProt Accession #	P05067
NCBI Official Full Name	amyloid-beta protein isoform a
NCBI Official Synonym Full Names	amyloid beta precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
NCBI Protein Information	amyloid-beta precursor protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/amyloid-precursor-protein-app/189183>