

Human beta Amyloid Precursor Protein ELISA Kit | beta APP elisa kit

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CATALOG #
AAA86384

REACTIVITY
Human

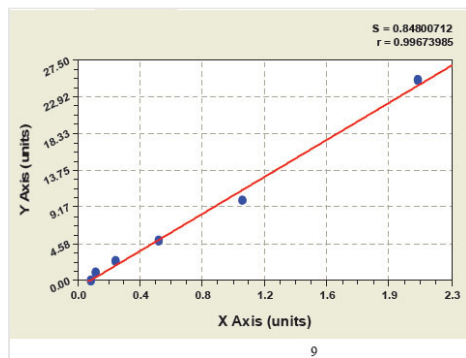
PRODUCT SYNONYMS

beta Amyloid Precursor Protein; Human beta Amyloid Precursor Protein ELISA Kit; Human b Amyloid Precursor Protein ELISA Kit; beta APP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This beta-APP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human beta-APP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta APP elisa kit

Principle of the Assay: beta-APP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for beta-APP. Standards or samples are then added to the microtiter plate wells and beta-APP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of beta-APP present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for beta-APP are added to each well to "sandwich" the beta-APP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain beta-APP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta-APP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8176534
NCBI GeneID	351
Molecular Weight	84,521 Da
NCBI Official Full Name	beta-amyloid peptide, partial
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/beta-app-human-elisa-kits/beta-amyloid-precursor-protein/86384>