

Human Amyloid beta Protein 42 ELISA Kit | Abeta42 elisa kit

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CATALOG #
AAA16338

REACTIVITY
Human

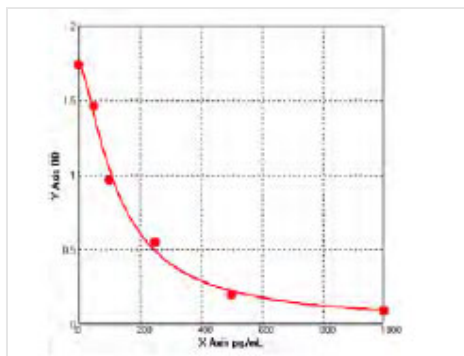
PRODUCT SYNONYMS

Amyloid beta Protein 42; Human Amyloid beta Protein 42 ELISA Kit; Human Amyloid b Protein 42 ELISA Kit; Abeta42 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Abeta42. No significant cross-reactivity or interference between Abeta42 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Abeta42 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Abeta42 elisa kit	Intended Uses: This Abeta42 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Abeta42. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Abeta42 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Abeta42. Standards or samples are then added to the microtiter plate wells and Abeta42 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Abeta42 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for Abeta42 are added to each well to "sandwich" the Abeta42 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 Abeta42 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 Abeta42 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Abeta42 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	112927
NCBI GeneID	351
Molecular Weight	84,521 Da
NCBI Official Full Name	Amyloid beta A4 protein
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.

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Online datasheet: <https://stage.aaabiotech.com/abeta42-human-elisa-kits/amyloid-beta-protein-42/16338>