

Human Amyloid beta Protein 40 ELISA Kit | Abeta40 elisa kit

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CATALOG #
AAA83759

REACTIVITY
Human

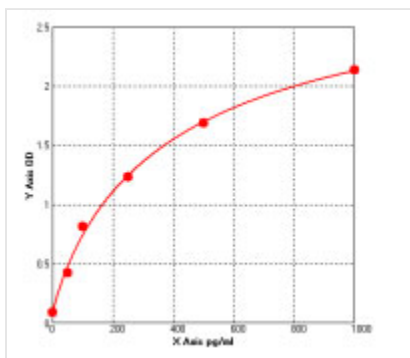
PRODUCT SYNONYMS

Amyloid beta Protein 40; Human Amyloid beta Protein 40 ELISA Kit; Human Amyloid b Protein 40 ELISA Kit; Abeta40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Abeta40. No significant cross-reactivity or interference between Abeta40 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Abeta40 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This Abeta40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Abeta40. 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 Abeta40 elisa kit	Principle of the Assay: Abeta40 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Abeta40. Standards or samples are then added to the microtiter plate wells and Abeta40 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Abeta40 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for Abeta40 are added to each well to "sandwich" the Abeta40 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 Abeta40 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 Abeta40 concentration in each sample is interpolated from this standard curve. Intended Uses: This Abeta40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Abeta40. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Abeta40 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/abeta40-human-elisa-kits/amyloid-beta-protein-40/83759>