

Human total amyloid beta peptide ELISA Kit | Abeta elisa kit

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CATALOG #
AAA16628

REACTIVITY
Human

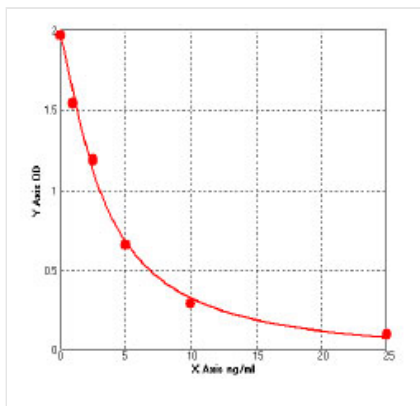
PRODUCT SYNONYMS

total amyloid beta peptide; Human total amyloid beta peptide ELISA Kit; total amyloid beta peptide (Human); Abeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Abeta. No significant cross-reactivity or interference between Abeta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Abeta and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Abeta elisa kit	Principle of the Assay: Abeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Abeta antibody and an Abeta-HRP conjugate. The assay sample and buffer are incubated together with Abeta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Abeta concentration since Abeta from samples and Abeta-HRP conjugate compete for the anti-Abeta antibody binding site. Since the number of sites is limited, as more sites are occupied by Abeta from the sample, fewer sites are left to bind Abeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Abeta concentration in each sample is interpolated from this standard curve. Intended Uses: This Abeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Abeta. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Abeta elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	112927
NCBI GeneID	351
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
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; 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/abeta-human-elisa-kits/total-amyloid-beta-peptide/16628>