Human amyloid beta peptide 1-42 ELISA Kit | Abeta1-42 elisa kit

Human amyloid beta peptide 1-42 ELISA Kit

CATALOG #	REACTIVITY
AAA16487	**Human**

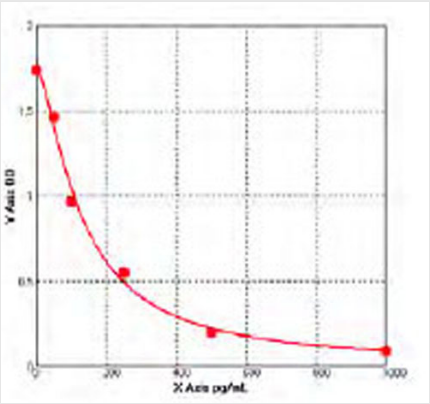
PRODUCT SYNONYMS

amyloid beta peptide 1-42; Human amyloid beta peptide 1-42 ELISA Kit; amyloid beta peptide 1-42 (Human); Abeta1-42 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Abeta1~42. No significant cross-reactivity or interference between Abeta1~42 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Abeta1~42 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
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Abeta1-42 elisa kit	Intended Uses: This Abeta1~42 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Abeta1~42. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Abeta1~42 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Abeta1~42 antibody and an Abeta 1~42-HRP conjugate. The assay sample and buffer are incubated together with Abeta1~42-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 Abeta1~42 concentration since Abeta1~42 from samples and Abeta 1~42-HRP conjugate compete for the anti-Abeta1~42 antibody binding site. Since the number of sites is limited, as more sites are occupied by Abeta 1~42 from the sample, fewer sites are left to bind Abeta1~42-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Abeta1~42 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Abeta1-42 elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	311893408
NCBI GeneID	11820
NCBI Accession #	NP_001185755.1
NCBI GenBank Nucleotide #	NM_001198826.1
UniProt Accession #	P12023; P97487; P97942; Q99K32
Molecular Weight	86,722 Da
NCBI Official Full Name	amyloid beta A4 protein isoform 6
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	App
NCBI Official Synonym Symbols	Ag; Abpp; Adap; Cvap; Abeta; betaApp; E030013M08Rik
NCBI Protein Information	amyloid beta A4 protein; appican; protease nexin II; amyloidogenic glycoprotein; alzheimer disease amyloid A4 protein homolog
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	**App**
UniProt Synonym Gene Names	APP; AG; S-APP-alpha; S-APP-beta; AID(59); AID(57); AID(50)
UniProt Entry Name	A4_MOUSE

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/abeta1-42-human-elisa-kits/amyloid-beta-peptide-1-42/16487