

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

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CATALOG # AAA87650	REACTIVITY Mouse
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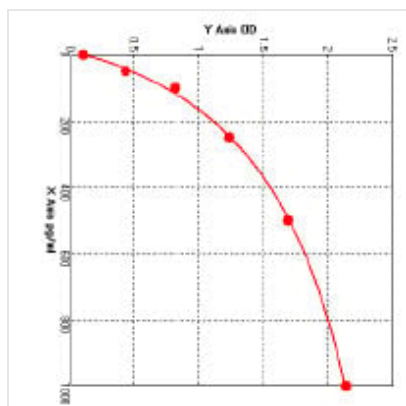
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 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 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 Mouse 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Abeta1~42. Standards or samples are then added to the microtiter plate wells and Abeta1~42 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Abeta1~42 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for Abeta1~42 are added to each well to "sandwich" the Abeta1~42 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 Abeta1~42 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 Abeta1~42 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Abeta1-42 elisa kit	Mouse 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.