

Rat Amyloid beta Protein 40 ELISA Kit | Abeta40 elisa kit

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CATALOG #
AAA84989

REACTIVITY
Rat

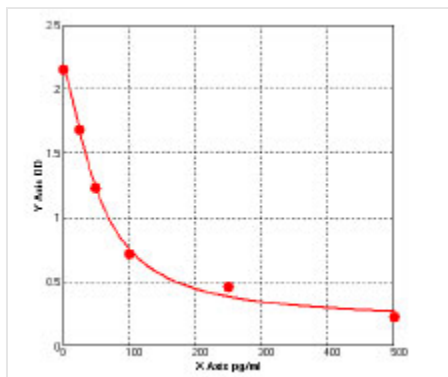
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
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 Abeta40 elisa kit	Intended Uses: This Abeta40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Abeta40. This ELISA kit for research use only! Principle of the Assay: Abeta40 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Abeta40 antibody and an Abeta40-HRP conjugate. The assay sample and buffer are incubated together with Abeta40-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 Abeta40 concentration since Abeta40 from samples and Abeta40-HRP conjugate compete for the anti-Abeta40 antibody binding site. Since the number of sites is limited, as more sites are occupied by Abeta40 from the sample, fewer sites are left to bind Abeta40-HRP conjugate. 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.
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.

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Online datasheet: <https://stage.aaabiotech.com/abeta40-rat-elisa-kits/amyloid-beta-protein-40/84989>