

Mouse beta Amyloid Precursor Protein ELISA Kit | beta-APP elisa kit

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CATALOG #
AAA84023

REACTIVITY
Mouse

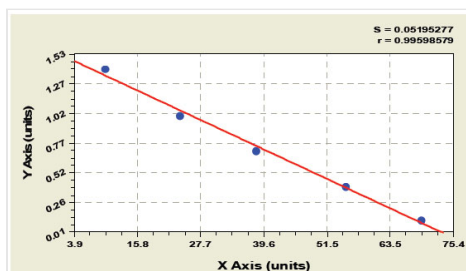
PRODUCT SYNONYMS

beta Amyloid Precursor Protein; Mouse beta Amyloid Precursor Protein ELISA Kit; Mouse b Amyloid Precursor Protein ELISA Kit; beta-APP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This beta-APP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse beta-APP. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-APP elisa kit

Principle of the Assay: beta-APP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-beta-APP antibody and an beta-APP-HRP conjugate. The assay sample and buffer are incubated together with beta-APP-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 beta-APP concentration since beta-APP from samples and beta-APP-HRP conjugate compete for the anti-beta-APP antibody binding site. Since the number of sites is limited, as more sites are occupied by beta-APP from the sample, fewer sites are left to bind beta-APP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta-APP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8176534
NCBI GeneID	351
Molecular Weight	84,521 Da
NCBI Official Full Name	beta-amyloid peptide, partial
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/beta-app-mouse-elisa-kits/beta-amyloid-precursor-protein/84023>