

Rat Total beta Amyloid Protein ELISA Kit | betaAP elisa kit

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CATALOG #
AAA84115

REACTIVITY
Rat

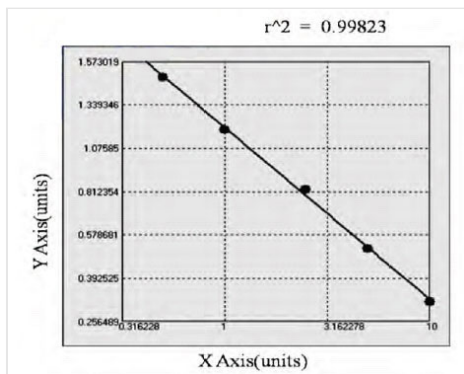
PRODUCT SYNONYMS

Total beta Amyloid Protein; Rat Total beta Amyloid Protein ELISA Kit; Rat Total b Amyloid Protein ELISA Kit; betaAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This betaAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat betaAP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for betaAP elisa kit

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

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/betaap-rat-elisa-kits/total-beta-amyloid-protein/84115>