

Sheep Amyloid Precursor Protein ELISA Kit | APP elisa kit

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CATALOG #
AAA88127

REACTIVITY
Sheep

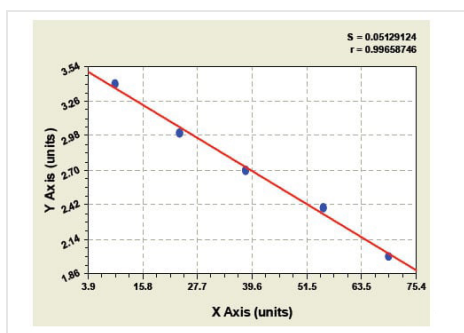
PRODUCT SYNONYMS

Amyloid Precursor Protein; Sheep Amyloid Precursor Protein ELISA Kit; APP elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



ADDITIONAL INFORMATION

Related Product Information for APP elisa kit

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

Product Categories/Family for APP elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	257380
NCBI GeneID	351
Molecular Weight	84,521 Da
NCBI Official Full Name	amyloid protein, 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.

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Online datasheet: <https://stage.aaabiotech.com/app-sheep-elisa-kits/amyloid-precursor-protein/88127>