

Datasheet for ABIN6719925

APP ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	APP
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: A4 amyloid protein, A4 A4_HUMAN, AAA, ABETA, ABPP, AD 1, Alzheimer disease 1, Alzheimer disease amyloid protein, Amyloid beta A4 protein, Amyloid beta A4 protein precursor isoform b, Amyloid beta A4 protein precursor isoform c, Amyloid beta A4 protein precursor isoform a, Amyloid of aging and alzheimer disease, APP I, Beta amyloid peptide, Cerebral vascular amyloid peptide, CTFgamma, CVAP, Human mRNA for amyloid A4 precursor of Alzheimer's disease, PreA4, Protease nexin II</p> <p>Background: Amyloid precursor protein(APP) is an integral membrane protein expressed in many tissues and concentrated in the synapses of neurons. Its primary function is not known,</p>

Product Details

though it has been implicated as a regulator of synapse formation, neural plasticity and iron export. APP is best known and most commonly studied as the precursor molecule whose proteolysis generates beta amyloid(Aβ), a 39- to 42-amino acid peptide whose amyloid fibrillar form is the primary component of amyloid plaques found in the brains of Alzheimer's disease patients. APP undergoes posttranslational proteolytic processing by alpha-, beta-, and gamma-secretases. Alpha-secretase generates soluble amyloid protein, while beta- and gamma-secretases generate APP components with amyloidogenic features. These 2 processing pathways are mutually exclusive.

Gene Name: APP

Production: Natural and recombinant human APP. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L18-L688

Target Details

Target:	APP
Alternative Name:	APP (APP Products)
Gene ID:	351
NCBI Accession:	NP_000475
UniProt:	P05067
Pathways:	Caspase Cascade in Apoptosis , EGFR Signaling Pathway , Transition Metal Ion Homeostasis , Skeletal Muscle Fiber Development , Toll-Like Receptors Cascades , Feeding Behaviour

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL human APP standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human APP standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 312pg/mL-20000pg/mL</p>
Sample Volume:	100 µL

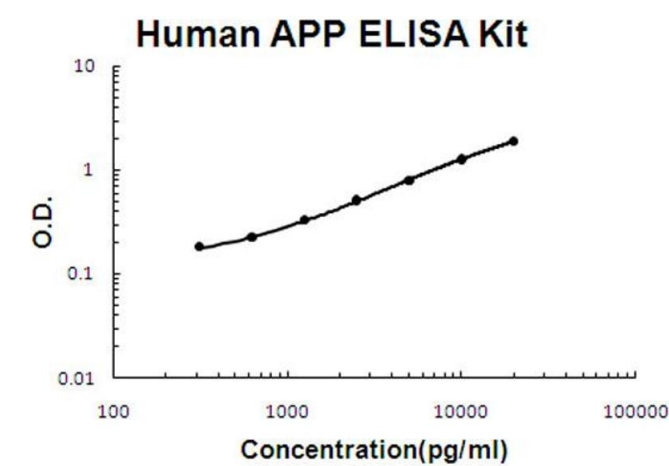
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human APP Accusignal ELISA Kit Human APP AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.