

Rat Abeta42 ELISA Kit | Abeta42 elisa kit

Rat Abeta42 (Amyloid Beta 42) ELISA Kit

CATALOG #
AAA163951

REACTIVITY
Rat

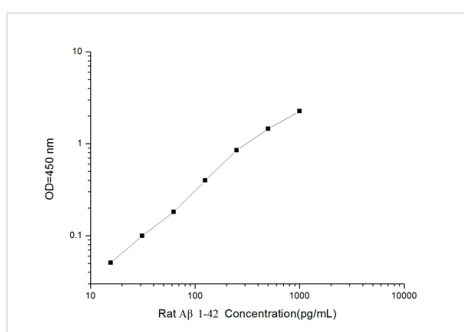
PRODUCT SYNONYMS

Abeta42; Rat Abeta42 (Amyloid Beta 42) ELISA Kit; Abeta42 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat Abeta1-42 in samples. No significant cross-reactivity or interference between Rat Abeta1- 42 and analogues was observed.
Sequence Length	770
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat Abeta1-42 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat Abeta1-42 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Abeta42 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat Abeta1-42 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat Abeta1-42. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat Abeta1-42 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat Abeta1-42, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat Abeta1-42. You can calculate the concentration of Rat Abeta1-42 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27436861
NCBI GeneID	54226
NCBI Accession #	NP_062161.1
NCBI GenBank Nucleotide #	NM_019288.2
UniProt Accession #	P08592; Q547B7
Molecular Weight	– 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	Abeta
NCBI Protein Information	amyloid beta A4 protein; ABPP; AG; alzheimer disease amyloid A4 protein homolog; amyloidogenic glycoprotein
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	App
UniProt Synonym Gene Names	APP; AG; S-APP-alpha; S-APP-beta
UniProt Entry Name	A4_RAT

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.