

Rat BACE2 (Beta-secretase 2) ELISA Kit | BACE2 elisa kit

Rat BACE2 (Beta-secretase 2) ELISA Kit

CATALOG #
AAA249014

REACTIVITY
Rat

PRODUCT SYNONYMS

BACE2 (Beta-secretase 2); Rat BACE2 (Beta-secretase 2) ELISA Kit; BACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Abeta42. No significant cross-reactivity or interference between Abeta42 and analogues was observed.
Sequence Length	514
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Abeta 42 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Abeta 42 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a BACE2 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.072	0.18	0.28	0.422	0.677	1.087	1.672	1.837

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Abeta42 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Abeta42 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Abeta42 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Abeta42 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	244798416
NCBI GeneID	56175
NCBI Accession #	NP_062390.3
NCBI GenBank Nucleotide #	NM_019517.5
UniProt Accession #	Q9JL18; Q3TNS7; Q8C5E9; Q8C793; Q9R1P7
Molecular Weight	55,800 Da
NCBI Official Full Name	beta-secretase 2 preproprotein
NCBI Official Synonym Full Names	beta-site APP-cleaving enzyme 2
NCBI Official Symbol	Bace2
NCBI Official Synonym Symbols	ARP1; ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1; AI850424; 1110059C24Rik
NCBI Protein Information	beta-secretase 2
UniProt Protein Name	Beta-secretase 2
UniProt Gene Name	Bace2
UniProt Synonym Gene Names	ASP1; Asp 1; Beta-site APP cleaving enzyme 2

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/rat-elisa-kits/bace2-beta-secretase-2/249014>