

Rat Beta-Site APP Cleaving Enzyme 1 (bACE1) ELISA Kit | bACE1 elisa kit

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CATALOG #
AAA64509

REACTIVITY
Rat

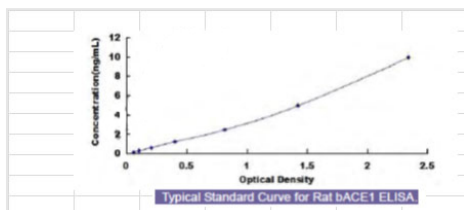
PRODUCT SYNONYMS

Beta-Site APP Cleaving Enzyme 1 (bACE1); Rat Beta-Site APP Cleaving Enzyme 1 (bACE1) ELISA Kit; ASP2; Beta Secretase; Memapsin 2; Aspartyl protease 2; Beta-site amyloid precursor protein cleaving enzyme 1; Membrane-associated aspartic protease 2; bACE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of bACE1. No significant cross-reactivity or interference between bACE1 and analogues was observed.
Sequence Length	501
Samples	Serum, plasma, cerebrospinal fluid and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level bACE1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level bACE1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bACE1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of bACE1 in rat serum, plasma, cerebrospinal fluid and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to bACE1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to bACE1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain bACE1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of bACE1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506421
NCBI GeneID	29392
NCBI Accession #	NP_062077.1
NCBI GenBank Nucleotide #	NM_019204.2
UniProt Accession #	P56819
Molecular Weight	55,807 Da
NCBI Official Full Name	beta-secretase 1
NCBI Official Synonym Full Names	beta-secretase 1
NCBI Official Symbol	Bace1
NCBI Official Synonym Symbols	Bace
NCBI Protein Information	beta-secretase 1
UniProt Protein Name	Beta-secretase 1
UniProt Gene Name	Bace1
UniProt Synonym Gene Names	Bace; ASP2; Asp 2; Beta-site APP cleaving enzyme 1

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.