Rat Butyrylcholinesterase (BCHE) ELISA Kit | BCHE elisa kit

Rat Butyrylcholinesterase (BCHE) ELISA Kit

CATALOG #	REACTIVITY
AAA65459	**Rat**

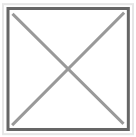
PRODUCT SYNONYMS

Butyrylcholinesterase (BCHE); Rat Butyrylcholinesterase (BCHE) ELISA Kit; BuChE; CHE1; E1; Pseudocholinesterase; Cholinesterase; Acylcholine acylhydrolase; Butyrylcholine esterase; Choline esterase II; BCHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BCHE. No significant cross-reactivity or interference between BCHE and analogues was observed.
Sequence Length	597
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.44ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BCHE 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 BCHE 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 BCHE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BCHE in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BCHE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BCHE. 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 BCHE, 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 BCHE in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12621110
NCBI GeneID	65036
NCBI Accession #	NP_075231.1
NCBI GenBank Nucleotide #	NM_022942.1
UniProt Accession #	Q9JKC1; F1LQK0
Molecular Weight	67,777 Da
NCBI Official Full Name	cholinesterase
NCBI Official Synonym Full Names	butyrylcholinesterase
NCBI Official Symbol	Bche
NCBI Protein Information	cholinesterase
UniProt Protein Name	Carboxylic ester hydrolase
UniProt Gene Name	**Bche**

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/butyrylcholinesterase-bche/65459