

Rat Cholinesterase (BCHE) ELISA Kit | BCHE elisa kit

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CATALOG #
AAA245262

REACTIVITY
Rat

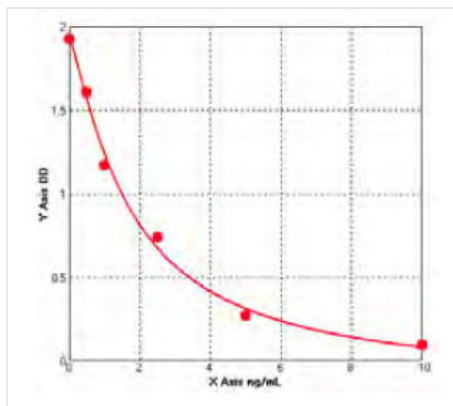
PRODUCT SYNONYMS

Cholinesterase (BCHE); Rat Cholinesterase (BCHE) ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BCHE and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCHE elisa kit	Intended Uses: This BCHE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatBCHE. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BCHE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BCHE antibody and an BCHE-HRP conjugate. The assay sample and buffer are incubated together with BCHE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BCHE concentration since BCHE from samples and BCHE-HRP conjugate compete for the anti-BCHE antibody binding site. Since the number of sites is limited, as more sites are occupied by BCHE from the sample, fewer sites are left to bind BCHE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BCHE concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382845
NCBI GeneID	395358
NCBI Accession #	NP_989977.1
NCBI GenBank Nucleotide #	NM_204646.1
NCBI Official Full Name	cholinesterase
NCBI Official Synonym Full Names	butyrylcholinesterase
NCBI Official Symbol	BCHE
NCBI Official Synonym Symbols	cholinesterase
NCBI Protein Information	cholinesterase

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.