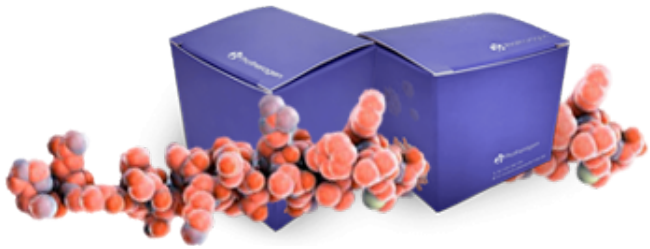
Protheragen
Obesity



Mouse butyrylcholinesterase (BCHE) ELISA kit (160-100000 pg/mL, 68 pg/mL)

Cat. No.:	OB0625WXX-233
Assay Type:	Quantitative competitive ELISA
Target Species:	Mouse
Assay Target:	BCHE
Size:	24T; 48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Mouse butyrylcholinesterase (BCHE) ELISA kit (160-100000 pg/mL, 68 pg/mL) is an ELISA-based *in vitro* research tool designed specifically for the quantita tive detection of BCHE in mouse with a range of 160-100000 pg/mL and a specifici ty of 68 pg/mL.
Assay Principle	Monoclonal antibodies specific for BCHE have been pre-coated on microtiter plate s. Biotin-labeled BCHE and unlabeled BCHE (standards or samples) undergo a compe titive inhibitory reaction with the pre-coated BCHE-specific antibody. After inc ubation, unbound conjugates are washed away. Avidin conjugated to horseradish pe roxidase (HRP) is then added to each microtiter well and incubated. The amount o f HRP conjugate bound is inversely proportional to the concentration of BCHE in the sample. Upon addition of the substrate solution, the intensity of color deve lopment is inversely proportional to the concentration of BCHE in the sample.
Background	BCHE is a non-specific cholinesterase that has broad substrate specificity and i s involved in detoxification reactions, drug metabolism, among other processes.
Synonyms	BuChE; CHE1; E1; Pseudocholinesterase; Cholinesterase; Acylcholine acylhydrolase ; Butyrylcholine esterase; Choline esterase II; EC 3.1.1.8
EC NO.	3.1.1.8
Formula Weight	68,418 Da

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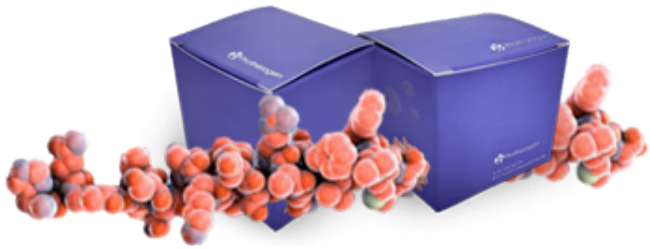

Applications	Mouse butyrylcholinesterase (BCHE) ELISA kit (160-100000 pg/mL, 68 pg/mL) is use d to quantify BCHE in serum, plasma, tissue homogenates, cell lysates, cell cult ure supernates, and other biological fluid samples of mouse, providing data to s upport a wide range of studies.
Research Area	Metabolic pathway

Specification

Sample Type	Serum; Plasma; Tissue homogenates; Cell lysates; Cell culture supernates; Other biological fluids
Detection Range	160-100000 pg/mL
Sensitivity	68 pg/mL
Precision (Intra-assay)	CV<10%
Precision (Inter-assay)	CV<12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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