

Rat Acetylcholinesterase (AChE) ELISA Kit | AChE elisa kit

Rat Acetylcholinesterase (AChE) Wide-range ELISA Kit

CATALOG #
AAA147534

REACTIVITY
Rat

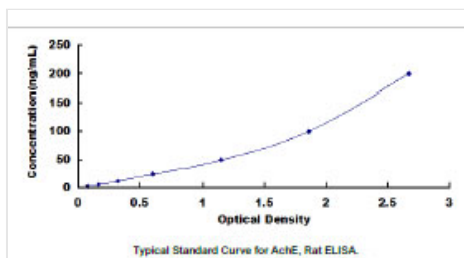
PRODUCT SYNONYMS

Acetylcholinesterase (AChE); Rat Acetylcholinesterase (AChE) Wide-range ELISA Kit; ARACHe; N-AChE; YT; AChE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Acetylcholinesterase (AChE). No significant cross-reactivity or interference between Wide-range Acetylcholinesterase (AChE) and analogues was observed.
Sequence Length	614
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.17ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Wide-range Acetylcholinesterase (AChE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Wide-range Acetylcholinesterase (AChE) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AchE elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Acetylcholinesterase (AChE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Acetylcholinesterase (AChE). 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 Wide-range Acetylcholinesterase (AChE), 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 Wide-range Acetylcholinesterase (AChE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AchE elisa kit	Signal transduction; Enzyme & Kinase; Metabolic pathway; Hematology; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	25282401
NCBI GeneID	83817
NCBI Accession #	NP_742006.1
NCBI GenBank Nucleotide #	NM_172009.1
UniProt Accession #	P37136
Molecular Weight	66,268 Da
NCBI Official Full Name	acetylcholinesterase
NCBI Official Synonym Full Names	acetylcholinesterase
NCBI Official Symbol	Ache
NCBI Protein Information	acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	Ache
UniProt Synonym Gene Names	AChE

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://www.aaabiotech.com/rat-elisa-kits/acetylcholinesterase-ache/147534>