

Rat Acetylcholinesterase ELISA Kit | Ache elisa kit

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CATALOG #
AAA190564

REACTIVITY
Rat

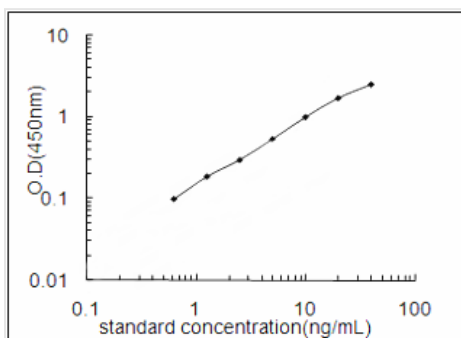
PRODUCT SYNONYMS

Acetylcholinesterase; Rat Acetylcholinesterase ELISA Kit; AChE; Ache; 3.1.1.7; Ache elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat AChE. No significant cross-reactivity or interference was observed.
Sequence Length	614
Assay Type	Sandwich
Detection Range	0.625-40 ng/mL
Sensitivity	0.312 ng/mL
Intra-Assay CV	<=4.9%
Inter-Assay CV	<=7.9%
Recovery	105%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ache elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat acetylcholinesterase,AChE concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to AChE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for AChE and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain AChE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of AChE 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 #	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
UniProt Entry Name	ACES_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/ache-rat-elisa-kits/acetylcholinesterase/190564>