

Canine Acetyl cholinesterase ELISA Kit | AChE elisa kit

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CATALOG #
AAA94649

REACTIVITY
Canine

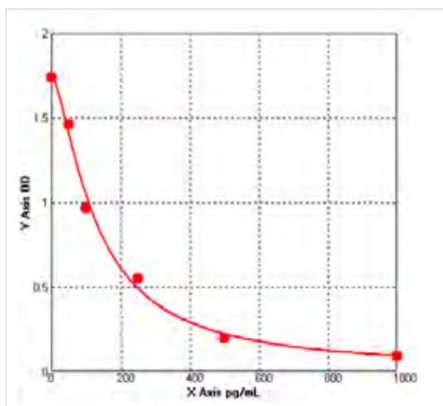
PRODUCT SYNONYMS

Acetyl cholinesterase; Canine Acetyl cholinesterase ELISA Kit; AChE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of ACHE. No significant cross-reactivity or interference between ACHE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACHE and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This AChE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AChE. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AChE elisa kit	Principle of the Assay: ACHE ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ACHE antibody and an ACHE-HRP conjugate. The assay sample and buffer are incubated together with ACHE-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 ACHE concentration since ACHE from samples and ACHE-HRP conjugate compete for the anti-ACHE antibody binding site. Since the number of sites is limited, as more sites are occupied by ACHE from the sample, fewer sites are left to bind ACHE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACHE concentration in each sample is interpolated from this standard curve. Intended Uses: This ACHE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACHE. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for AChE elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	177975
NCBI GeneID	43
Molecular Weight	58,352 Da
NCBI Official Full Name	acetylcholinesterase
NCBI Official Synonym Full Names	acetylcholinesterase (Yt blood group)
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase; Yt blood group; apoptosis-related acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	ACHE
UniProt Synonym Gene Names	AChE
UniProt Entry Name	ACES_HUMAN

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.