Product Datasheet

Acetylcholinesterase/ACHE Assay Kit (Fluorometric) KA4132

Unit Size: 1 Kit

Store at -20C.

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Publications: 3

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KA4132

Acetylcholinesterase/ACHE Assay Kit (Fluorometric)

Product Information

Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.

Product Description

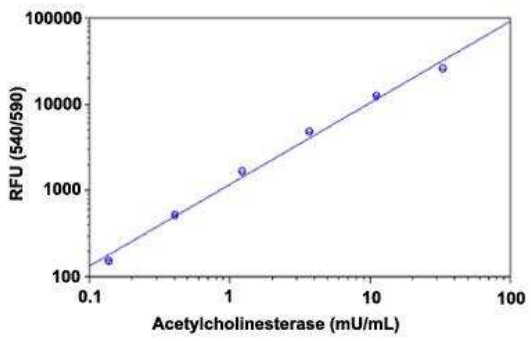
Description	Quality control test: Standard curve Acetylcholinesterase Assay Kit (Red Fluorescence) is a one-step fluorometric assay for the detection of AChE activity.
Gene ID	43
Gene Symbol	ACHE
Species	Rat
Specificity/Sensitivity	The kit is an optimized 'mix and read' assay that provides a simple one- step fluorimetric assay to detect as little as 0.01 mU AChE in a 100 uL assay volume (0.1 mU/mL). Its signal can be easily read with a fluorescence microplate reader at Ex/Em = ~540/590 nm or an absorbance microplate reader at ~575 nm.
Kit Components	Amplite Red, Acetylcholinesterase Probe (lyophilized powder), Acetylcholine, Acetylcholinesterase Standard (5 units), Assay Buffer, Dilution Buffer, DMSO
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.1 to 100 mU/mL
Sensitivity	0.1 mU/mL
Assay Type	Fluorometric
Suitable Sample Type	Biological Samples
Sample Volume	50 uL

Product Application Details

Applications	Functional
Recommended Dilutions	Functional

Images

Acetylcholinesterase/ACHE Assay Kit (Fluorometric) [KA4132] - The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



Publications

Vang A, da Silva GonCalves Bos D, Fernandez-Nicolas A et al. Alpha 7 nicotinic acetylcholine receptor mediates right ventricular fibrosis and diastolic dysfunction in pulmonary hypertension JCI insight 2021-05-11 [PMID: 33974567]

Arafa M, Atteia H Protective Role of Epigallocatechin Gallate in a Rat Model of Cisplatin-Induced Cerebral Inflammation and Oxidative Damage: Impact of Modulating NF-?B and Nrf2. Neurotox Res. 2019-08-13 [PMID: 31410684]

Maher A, Saleh S, Elguindy N et al. Exogenous melatonin restrains neuroinflammation in high fat diet induced diabetic rats through attenuating indoleamine 2,3-dioxygenase 1 expression. Life Sci. 2020-02-15 [PMID: 32067945]

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Products Related to KA4132

NBP2-55516PEP	Acetylcholinesterase/ACHE Recombinant Protein Antigen
NB300-109	Tyrosine Hydroxylase Antibody
NB100-1519	Acetylcholinesterase/ACHE Antibody
NBP2-13075	beta Amyloid Antibody (MOAB-2) - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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