ANTIBODYSHOP®

PRODUCT SPECIFICATION

10/03/2014

Anti-Acetylcholinesterase (human brain, AChE)

Mouse monoclonal antibody

Subclass: IgG_1/k

CAT. NO. **HYB 111-05**

Clone: 12B4

SPECIFICITY	HYB 111-05 is specific for human acetylcholinesterase. No cross-reaction is seen with human BtChE.
IMMUNOGEN	Brain acetylcholinesterase, human, purified, detergent solubilized
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Flunder, torpedo marmorta
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 200 µL and 1 mL size.1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8ºC without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: HYB 111-05 reacts with both G2-and G4-AChE (native detergent soluble) in ELISA and EAIA using the antibody as capture antibody. HYB 111-05 reacts 17 times stronger with human brain AChE than with human erythrocyte AChE.
WB: HYB 111-05 can be used in Western blotting.

TARGET

Acetylcholinesterase (AChE, EC.3.1.1.7.) is an enzyme located in the postsynaptic membrane and in the muscle endplates, where it hydrolyses the neurotransmitter acetylcholin. AChE from brain is a tetramer (G4-AChE) with a molecular mass of 320 kDa, AChE from erythrocytes is a dimer (G2-AChE) with a molecular mass of 170 kDa.

REFERENCES

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