**PRODUCT SPECIFICATION**

10/03/2014

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**Anti-Acetylcholinesterase (bovine brain, AChE)**

**Mouse monoclonal antibody**

**HYB 101-03**

**CAT. NO.**

**SPECIFICITY**

HYB 101-03 is specific for native, heat denatured and SDS plus heat denatured AChE.

**IMMUNOGEN**

Bovine G4-acetylcholinesterase, purified, detergent solubilized

**TESTED APPLICATIONS**

ELISA, WB

**SPECIES REACTIVITY (POSITIVE)**

Bovine

**SPECIES REACTIVITY (NEGATIVE)**

Not determined

**EPITOPE SPECIFICITY**

Mouse monoclonal antibody IgG1/k

**CAT. NO.**

HYB 101-03

**APPLICATION**

ELISA: HYB 101-03 reacts with AChE from bovine and cross-react with human brain or erythrocytes AChE in ELISA.

WB: No cross-reactivity is seen with human AChE in Western blotting. No cross-reactivity to BtChE from human serum, AChE from flounder body muscle or Torpedo marmorata.

**TARGET**

Acetylcholinesterase (AChE) 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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**CONDITIONS**

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.

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