

Anti-Acetylcholinesterase (bovine brain, AChE)**Mouse monoclonal antibody**Subclass: IgG₁/k

CAT. NO.

HYB 101-03

Clone: 2E7

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** 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:** 4-8°C without exposure to light. No precautions necessary during handling.

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****CONDITIONS**

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