
Acetylcholinesterase (12B4) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250342

Unit: 0.2 mg

Description:

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. This antibody is specific for human acetylcholinesterase. No cross-reaction is seen with human BtChE and AChE from flounder or *Torpedo marmorata*.

Isotype: Mouse IgG1/k

Applications: E, WB

Species Reactivity: H

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: AChE

Accession No.: P22303

Antigen: Brain acetylcholinesterase, human, purified and detergent solubilized (1).

Application Notes: Product Cat. No. 250342 reacts with both G2-and G4-AChE (native detergent soluble) in ELISA and EAIA using the antibody as capture antibody. Product Cat. No. 250342 reacts 17-fold stronger with human brain AChE than with human erythrocyte AChE. E: 1:4,000; WB: 1:500

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.