

Datasheet for 200-106-232-0100**Acetyl Cholinesterase Antibody Biotin Conjugated****Overview**

Description:	Anti-Acetylcholinesterase (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - 200-106-232-0100
Item No.:	200-106-232-0100
Size:	100 µg
Applications:	WB
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	Acetyl Cholinesterase is abundantly expressed in erythrocytes and is part of the type-B carboxylesterase/lipase family. Anti-Acetyl Cholinesterase cancels signal transduction at the neuromuscular junction via hydrolysis of acetylcholine as it is released into the synaptic cleft by the motor neurons. Anti-Acetyl Cholinesterase antibody is ideal for investigators involved in Neuroscience and Neurotransmitter research.
Synonyms:	goat anti-Acetyl Cholinesterase Antibody, biotin conjugated goat anti-Acetyl Cholinesterase Antibody, Acetylcholinesterase, AChE
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ACHE
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Acetyl Cholinesterase [Bovine Erythrocytes]

Purity/Specificity: Acetyl Cholinesterase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Acetyl Cholinesterase [Bovine Erythrocytes]. Cross reactivity against Acetyl Cholinesterase from other sources is unknown.

Relevant Links:

- [UniProtKB - P23795](#)
- [NCBI - NP_001069688.1](#)
- [GenelD - 540446](#)

Application Details

Tested Applications: WB

Application Note: Anti-Acetyl Cholinesterase Biotin Conjugated Antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Acetyl Cholinesterase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:2,000 is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:2,000 - 1:10,000

IP: 1:100

WB: 1:500 - 1:2,500

Formulation

Physical State: Lyophilized

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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