

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

Description:	Anti-Acetylcholinesterase (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - 200-106-232S
Item No.:	200-106-232S
Size:	25 µL
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-ethylbenzothiazoline-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: Liquid (sterile filtered)

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

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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