

Datasheet for 200-106-094**Choline Oxidase Antibody Biotin Conjugated****Overview**

Description:	Anti-Choline Oxidase (Alcaligenes species) (GOAT) Antibody Biotin Conjugated (BULK ORDER) - 200-106-094
Item No.:	200-106-094
Size:	10 mg
Applications:	ELISA, WB
Reactivity:	Alcaligenes sp.
Host Species:	Goat

Product Details

Background:	Choline Oxidase is a flavoprotein responsible for the catalyzing the conversion of choline to betaine aldehyde in animals and bacteria. Anti-Choline Oxidase antibody is ideal for researchers interested in Metabolism and Signal Transduction research.
Synonyms:	goat anti-Choline Oxidase Antibody biotin Conjugation, biotin Conjugated goat anti-Choline Oxidase Antibody, codA antibody
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CHOX_ALCSP
Reactivity:	Alcaligenes sp.
Immunogen Type:	Native Protein
Immunogen:	Choline Oxidase [Alcaligenes species]

Purity/Specificity: Anti-Choline Oxidase 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 Choline Oxidase [*Alcaligenes* species]. Cross reactivity against Choline Oxidase from other sources is unknown.

Relevant Links:

- [UniProtKB - P16101](#)
- [NCBI - 116367](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Choline Oxidase has been tested by ELISA and western blot. This product is suitable to be assayed against 1.0 ug of Choline Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

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

ELISA: 1:5,000 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 10.0 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: 1.0 mL

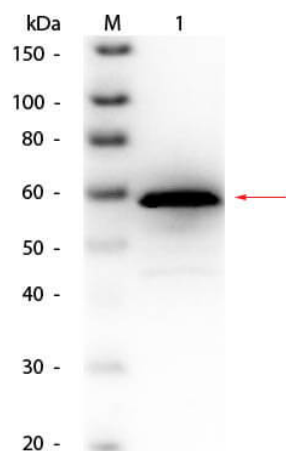
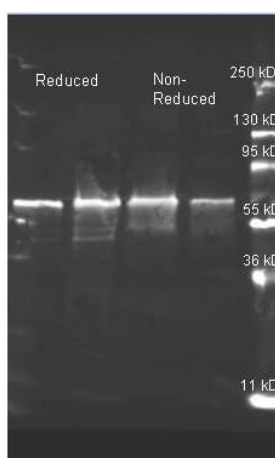
Reconstitution Buffer: Restore with deionized water (or equivalent)

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.

Images



Western Blot

Rockland Goat anti Choline Oxidase antibody was used to detect Choline Oxidase. Samples of ~1 and 0.25 ug of purified Choline Oxidase per lane were run by SDS-PAGE under reducing and non-reducing conditions and reduced samples of purified Choline Oxidase contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Goat anti Choline Oxidase (200-101-094 lot 5911 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti Goat (605-743-125 1:10K 1.5 hr RT in MB-070 and imaged on the BioRad VersaDoc imaging system.

Western Blot

Western Blot of Goat anti-Choline Oxidase (Alcaligenes species) Antibody Biotin Conjugated. Lane 1: Choline Oxidase (Alcaligenes species). Load: 50 ng per lane. Primary antibody: Goat anti-Choline Oxidase (Alcaligenes species) Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 60 kDa, 60 kDa for Choline Oxidase

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.