

**Datasheet for 200-106-213S****Cholesterol Oxidase Antibody Biotin Conjugated****Overview**

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Cholesterol Oxidase (Microorganism) (GOAT) Antibody Biotin Conjugated - 200-106-213S |
| <b>Item No.:</b>     | 200-106-213S                                                                              |
| <b>Size:</b>         | 25 µL                                                                                     |
| <b>Applications:</b> | Dot Blot, ELISA, WB                                                                       |
| <b>Reactivity:</b>   | Streptomyces                                                                              |
| <b>Host Species:</b> | Goat                                                                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Cholesterol Oxidase antibody is a member of the GMC oxidoreductase family. Cholesterol Oxidase acts as a catalyst in the oxidation of the 3-beta-hydroxy group of cholesterol and the isomerization of the double bond of new product. Anti-Cholesterol Oxidase is ideal for investigators interested in Metabolism, Signal Transduction, or Cardiovascular research. |
| <b>Synonyms:</b>     | goat anti-Cholesterol Oxidase Antibody biotin Conjugation, biotin Conjugated goat anti-Cholesterol Oxidase Antibody, choA antibody, choD antibody, choM antibody, choS antibody, COD antibody                                                                                                                                                                              |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Conjugate:</b>    | Biotin                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                        |                                    |
|------------------------|------------------------------------|
| <b>Gene Name:</b>      | choA                               |
| <b>Reactivity:</b>     | Streptomyces                       |
| <b>Immunogen Type:</b> | Native Protein                     |
| <b>Immunogen:</b>      | Cholesterol Oxidase [Streptomyces] |

**Purity/Specificity:** Anti-Cholesterol 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 Cholesterol Oxidase [Microorganism]. Cross reactivity against Cholesterol Oxidase from other sources is unknown.

**Relevant Links:**

- [UniProtKB - P12676](#)

## Application Details

**Tested Applications:** Dot Blot, ELISA, WB

**Application Note:** Anti-Cholesterol Oxidase has been tested by ELISA, dot blot, and western blot. This product is assayed against 1.0 ug of Cholesterol 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:** Liquid (sterile filtered)

**Concentration:** 1 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.

## Images



### Western Blot

Rockland Goat anti Cholesterol oxidase antibody (200-101-213 lot 6534) was used to detect purified cholesterol oxidase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified cholesterol oxidase contained 4% BME and were boiled for 5 minutes. Samples of ~1µg of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with a 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT). Images were collected using the BioRad VersaDoc System.

## 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.