

Datasheet for 200-106-213-0100**Cholesterol Oxidase Antibody Biotin Conjugated****Overview**

Description:	Anti-Cholesterol Oxidase (Microorganism) (GOAT) Antibody Biotin Conjugated - 200-106-213-0100
Item No.:	200-106-213-0100
Size:	100 µg
Applications:	Dot Blot, ELISA, WB
Reactivity:	Streptomyces
Host Species:	Goat

Product Details

Background:	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.
Synonyms:	goat anti-Cholesterol Oxidase Antibody biotin Conjugation, biotin Conjugated goat anti-Cholesterol Oxidase Antibody, choA antibody, choD antibody, choM antibody, choS antibody, COD antibody
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	choA
Reactivity:	Streptomyces
Immunogen Type:	Native Protein
Immunogen:	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: 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.

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 ~1ug 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

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