

Datasheet for 200-101-213-0100**Cholesterol Oxidase Antibody****Overview**

Description:	Anti-Cholesterol Oxidase (Microorganism) (GOAT) Antibody - 200-101-213-0100
Item No.:	200-101-213-0100
Size:	100 µg
Applications:	WB
Reactivity:	Streptomyces
Host Species:	Goat

Product Details

Background:	Cholesterol Oxidase is a bifunctional enzyme that catalyzes the oxidation of the 3-beta-hydroxy group of cholesterol and the isomerization of the double bond of the resulting product. This protein is involved in the pathway cholesterol metabolism, which is part of Steroid metabolism.
Synonyms:	goat anti-Cholesterol Oxidase Antibody, choA antibody, choD antibody, choM antibody, choS antibody, COD antibody
Host Species:	Goat
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-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: WB

Application Note: Anti-Cholesterol Oxidase Antibody has been tested by western blot. This product is suitable to be assayed against 1.0 ug of Cholesterol Oxidase [Microorganism] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 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 1:2,000 to 1:8,000 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: None

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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