

**Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated**  
**Cholesterol Oxidase Antibody Biotin Conjugated**  
**Catalog # ASR4041****Specification****Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated -  
Product Information**

Host	Goat
Conjugate	Biotin
Target Species	Streptomyces
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
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'-azin o-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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Cholesterol Oxidase [Streptomyces]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

**Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated -  
Additional Information****Purity**

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.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated - Protein Information**

**Name** choA

**Function**

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, producing cholest-4-en-3-one. These reactions are part of a cholesterol degradation pathway that allows the bacterium to utilize cholesterol as its sole source of carbon and energy.

**Cellular Location**

Secreted.

**Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated - Images****Anti-CHOLESTEROL OXIDASE (Microorganism) (GOAT) Antibody Biotin Conjugated - 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.