

R1075BS**Polyclonal Antibody to Cholesterol Oxidase - Biotin****Alternate names:**

CHOD, Cholesterol oxidase, EC 1.1.3.6

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (by UV absorbance at 280 nm)

Background:

Cholesterol oxidases exist as both type I and type II oxidases and are implicated in bacterial pathogenesis. In addition, they are important as clinical reagents, potential larvicides, and tools in cell biology.

Host:

Goat

Immunogen:

Cholesterol oxidase from Streptomyces

Format:**State:** Lyophilized purified Ig fraction**Purification:** Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer**Buffer System:** 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2**Preservatives:** 0.01% (w/v) Sodium azide**Stabilizers:** 10 mg/ml BSA (immunoglobulin and protease free)**Label:** Biotin**Reconstitution:** Restore with 0.1 ml of deionized water (or equivalent).**Applications:****Western blot:** 1/500-1/5,000.**Immunoprecipitation:** 1/100.**ELISA:** 1/5,000-1/20,000.

This product has been assayed against 1.0 µg of Cholesterol oxidase [microorganism] in a standard capture ELISA using peroxidase conjugated streptavidin and ABTS 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.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This product detects Cholesterol oxidase (microorganism). Cross reactivity against Cholesterol oxidase from other sources is unknown.

Immunoelectrophoresis give a single precipitin arc against anti-biotin, anti-goat serum as well as purified and partially purified Cholesterol oxidase [microorganism].

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.