

**R1075PS****Polyclonal Antibody to Cholesterol Oxidase - Ig Fraction**

|                         |   |
|-------------------------|---|
| <b>Alternate names:</b> | CHOD, Cholesterol oxidase, EC 1.1.3.6   |
| <b>Quantity:</b>        | 0.1 mg  |
| <b>Concentration:</b>   | 1.0 mg/ml (by UV absorbance at 280 nm)  |
| <b>Background:</b>      | 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.   |
| <b>Host:</b>            | Goat  |
| <b>Immunogen:</b>       | Cholesterol oxidase from Streptomyces   |
| <b>Format:</b>          | <b>State:</b> Lyophilized purified Ig fraction<br><b>Purification:</b> Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer<br><b>Buffer System:</b> 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2<br><b>Preservatives:</b> 0.01% (w/v) Sodium azide<br><b>Reconstitution:</b> Restore with 0.1 ml of deionized water (or equivalent).   |
| <b>Applications:</b>    | <b>Western blot:</b> 1/500-1/5,000.<br><b>Immunoprecipitation:</b> 1/100.<br><b>ELISA:</b> 1/5,000-1/20,000.<br>This product has been assayed against 1.0 µg of Cholesterol oxidase [microorganism] in a standard sandwich ELISA using peroxidase conjugated affinity purified anti-Goat IgG and ABTS 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.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| <b>Specificity:</b>     | This product detects Cholesterol oxidase (microorganism). Cross reactivity against Cholesterol oxidase from other sources is unknown.<br>Immunoelectrophoresis give a single precipitin arc against anti-goat serum as well as purified and partially purified Cholesterol oxidase [microorganism].   |
| <b>Storage:</b>         | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |

**Pictures:**

Goat anti Cholesterol oxidase antibody Cat.-No. R1075P (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 (4° C in blocking buffer). Detection shown was using Dylight 488 conjugated donkey anti goat. Images were collected using the BioRad VersaDoc System.

