

## Polyclonal Antibody to Cholesterol Oxidase - HRP

<b>Alternate names:</b>	CHOD, Cholesterol oxidase, EC 1.1.3.6
<b>Catalog No.:</b>	R1075HRP
<b>Quantity:</b>	20 mg
<b>Concentration:</b>	10.0 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 [Microorganism].
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction. <b>Purification:</b> Multi-step process. <b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% Gentamicin Sulfate as preservative and 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer. <b>Label:</b> HRP – Horseradish Peroxidase <b>Reconstitution:</b> Restore with 2.0 ml of deionized water (or equivalent).
<b>Applications:</b>	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoperoxidase electron microscopy and Immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. <b>Recommended Dilutions:</b> This product has been assayed against 1.0 ug of Cholesterol Oxidase [Microorganism] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This product 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-Peroxidase, anti-Goat Serum as well as purified and partially purified Cholesterol Oxidase [Microorganism]. Cross reactivity against Cholesterol Oxidase from other sources is unknown.

- Storage:** Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below.  
This product is stable for one month at 2-8°C as an undiluted liquid.  
Dilute only prior to immediate use.  
Avoid cycles of freezing and thawing.  
Shelf life: One year from despatch.
- Caution:** Do Not Use Sodium Azide as Preservative.
- General Readings:** Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981. (Conjugation)