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R1075HRPS Polyclonal Antibody to Cholesterol Oxidase - HRP

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) Gentamicin sulfate (Do NOT add Sodium azide!)
Stabilizers: 10 mg/ml BSA (immunoglobulin and protease free)
Label: HRP – Horseradish peroxidase
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 ABTS 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.
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-peroxidase, 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.

Caution: Do NOT add Sodium azide!