

Anti-BILIRUBIN OXIDASE (Myrothecium verrucaria) (GOAT) Antibody Peroxidase Conjugated
Bilirubin Oxidase Antibody Peroxidase Conjugated
Catalog # ASR3990

Specification

Anti-BILIRUBIN OXIDASE (Myrothecium verrucaria) (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Myrothecium verrucaria
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Bilirubin Oxidase has been tested by western blot and is suitable to be assayed against 1.0 ug of Bilirubin Oxidase [Myrothecium verrucaria] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:500 to 1:2,500 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	Bilirubin Oxidase [Myrothecium verrucaria]
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) Gentamicin Sulfate. Do NOT add Sodium Azide!

Anti-BILIRUBIN OXIDASE (Myrothecium verrucaria) (GOAT) Antibody Peroxidase Conjugated - Additional Information

Purity

Bilirubin 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-Peroxidase, anti-Goat Serum as well as purified and partially purified Bilirubin Oxidase [Myrothecium verrucaria]. Cross reactivity against Bilirubin 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-BILIRUBIN OXIDASE (*Myrothecium verrucaria*) (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name BLRO

Function

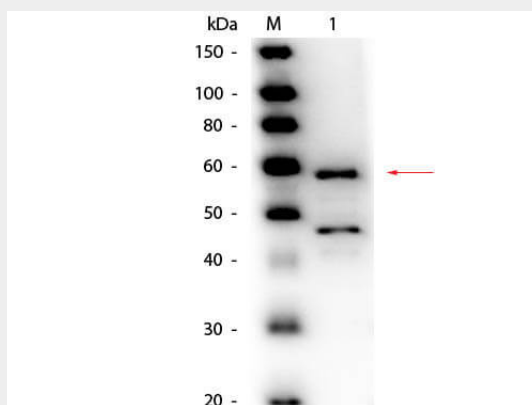
Oxidation of bilirubin and other tetrapyrroles.

Anti-BILIRUBIN OXIDASE (*Myrothecium verrucaria*) (GOAT) Antibody Peroxidase 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-BILIRUBIN OXIDASE (*Myrothecium verrucaria*) (GOAT) Antibody Peroxidase Conjugated - Images



Western Blot of Goat anti-Bilirubin Oxidase (*Myrothecium verrucaria*) Antibody Peroxidase Conjugated. Lane 1: Bilirubin Oxidase (*Myrothecium verrucaria*). Load: 50 ng per lane. Primary antibody: Goat anti-Bilirubin Oxidase (*Myrothecium verrucaria*) Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: MB-070 for 30 minutes at RT. Predicted/Observed size: 64 kDa, 60 kDa for Bilirubin Oxidase. Other band(s): Bilirubin Oxidase splice variants and isoforms.

Anti-BILIRUBIN OXIDASE (*Myrothecium verrucaria*) (GOAT) Antibody Peroxidase

Conjugated - Background

Bilirubin Oxidase is key in the oxidation of bilirubin and other tetrapyrroles. This enzyme belongs to the family of oxidoreductases, to be specific those acting on the CH-CH group of donor with oxygen as acceptor. The systematic name of this enzyme class is bilirubin:oxygen oxidoreductase. This enzyme is also called bilirubin oxidase M-1. This enzyme participates in porphyrin and chlorophyll metabolism.