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Datasheet for ABIN5596696

## anti-Bilirubin Oxidase antibody (HRP)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	Bilirubin Oxidase
Reactivity:	Myrothecium verrucaria
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Bilirubin Oxidase antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

#### Product Details

Immunogen:	Immunogen: Bilirubin Oxidase [Myrothecium verrucaria] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Bilirubin Oxidase from other sources is unknown.
Purification:	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].

#### Target Details

Target:	Bilirubin Oxidase
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## Target Details

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Abstract: [Bilirubin Oxidase Products](#)

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Background: Synonyms: Bilirubin Oxidase  
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.  
Gene Name: BLRO\_MYRVE

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UniProt: [Q12737](#)

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## Application Details

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Application Notes: Application Note: Anti-Bilirubin Oxidase has been assayed against 1.0 µg 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.  
Western Blot Dilution: 1:500 - 1:2,500  
Immunoprecipitation Dilution: 1:100  
ELISA Dilution: 1:1,000 - 1:5,000

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Comment: User Optimized

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Reconstitution Volume: 100 µL  
Reconstitution Buffer: Restore with deionized water (or equivalent)

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Concentration: 1.0 mg/mL

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Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

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Preservative: Gentamicin sulfate

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Precaution of Use: This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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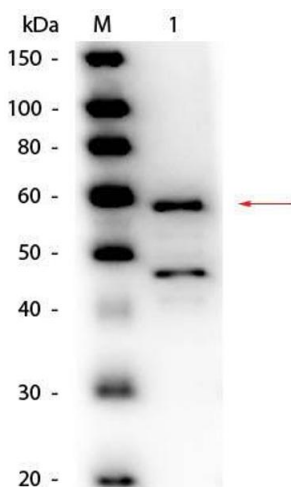
## Handling

Storage: 4 °C, -20 °C

Storage Comment: 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.

Expiry Date: 12 months

## Images



### Western Blotting

**Image 1.** 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: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 64 kDa, 60 kDa for Bilirubin Oxidase. Other band(s): Bilirubin Oxidase splice variants and isoforms.



### Western Blotting

**Image 2.** Goat anti Bilirubin Oxidase antibody was used to detect Bilirubin Oxidase under reducing (R) conditions. A samples of ~1ug of purified protein contained 4% BME and was boiled for 5 minutes and run by SDS-PAGE on a 4-20% acrylamide gel. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in ABIN925618). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/ABIN925618 1 hr RT) and Dylight 649 conjugated Donkey anti goat (605-743-125 lot 20834 1:10K in TBS/ABIN925618) 1 hr RT. Images were collected using the BioRad VersaDoc System