

Datasheet for 200-101-212**Bilirubin Oxidase Antibody****Overview**

Description:	Anti-Bilirubin Oxidase (Myrothecium verrucaria) (GOAT) Antibody (BULK ORDER) - 200-101-212
Item No.:	200-101-212
Size:	50 mg
Applications:	WB
Reactivity:	Myrothecium verrucaria
Host Species:	Goat

Product Details

Background:	Bilirubin Oxidase oxidizes bilirubin and other tetrapyrroles.
Synonyms:	goat anti-Bilirubin Oxidase antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BLRO_MYRVE
Reactivity:	Myrothecium verrucaria
Immunogen Type:	Native Protein
Immunogen:	Bilirubin Oxidase [Myrothecium verrucaria]
Purity/Specificity:	Anti-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-Goat Serum as well as purified and partially purified Bilirubin Oxidase [Myrothecium verrucaria]. Cross reactivity against Bilirubin Oxidase from other sources is unknown.
Relevant Links:	UniProtKB - Q12737

Application Details

Tested Applications:	WB
Application Note:	BILIRUBIN OXIDASE Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Bilirubin Oxidase [Myrothecium verrucaria] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) code #611-1302 and (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 1:2,000 to 1:10,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Rockland Goat anti Bilirubin Oxidase antibody (200-101-212 lot 6533) 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 MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT) and Dylight 649 conjugated Donkey anti goat (605-743-125 lot 20834 1:10K in TBS/MB-070) 1 hr RT. Images were collected using the BioRad VersaDoc System

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