

Datasheet for 200-106-234-0100**Glucoamylase Antibody Biotin Conjugated****Overview**

Description:	Anti-Glucoamylase (GOAT) Antibody Biotin Conjugated - 200-106-234-0100
Item No.:	200-106-234-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Rhizopus
Host Species:	Goat

Product Details

Background:	Anti-Glucoamylase antibody recognizes the enzyme glucoamylase. The catalytic domain of glucoamylase hydrolyzes terminal 1,4- α -D-glucose from non-reducing ends and releases beta-glucose.
Synonyms:	goat anti-Glucoamylase Antibody biotin Conjugation, biotin Conjugated goat anti-Glucoamylase Antibody, 1 4 α D glucan glucohydrolase antibody, Amyloglucosidase antibody, Gluc 1 antibody, Gluc 2 antibody, Gluc 3 antibody, Glucan 1 4 α glucosidase antibody, Glucan 14 α glucosidase antibody
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	amyA
Reactivity:	Rhizopus
Immunogen Type:	Native Protein
Immunogen:	Glucoamylase [Rhizopus]

Purity/Specificity:	Anti-Glucoamylase 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-Biotin, anti-Goat Serum as well as purified and partially purified Glucoamylase [Rhizopus]. Cross reactivity against Glucoamylase from other sources is unknown.
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Relevant Links:	• UniProtKB - P07683
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Glucoamylase biotin has been tested by ELISA and western blot. This product is assayed against 1.0 µg of Glucoamylase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:15,000 to 1:75,000 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:	1:2,000 - 1:10,000
WB:	1:500 - 1:2,500

Formulation

Physical State:	Lyophilized
Concentration:	1.0 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:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

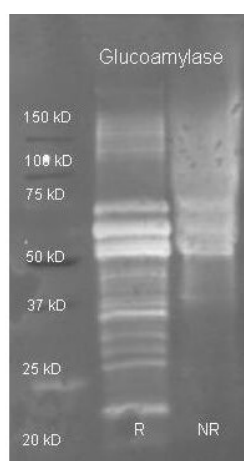
Shipping & Handling

Shipping Condition:	Ambient
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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 Glucoamylase antibody (100-101-234 lot 7844) was used to detect purified glucoamylase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. 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) . Images were collected using the BioRad VersaDoc System

Disclaimer

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