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Datasheet for ABIN1607644

## anti-Glucoamylase antibody (Biotin)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	Glucoamylase
Reactivity:	Rhizopus
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glucoamylase antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Glucoamylase [Rhizopus] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Glucoamylase from other sources is unknown.
Purity:	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].
Endotoxin Level:	Low Endotoxin : No

## Target Details

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Target:	Glucoamylase
Abstract:	<a href="#">Glucoamylase Products</a>
Background:	Anti-Glucoamylase antibody recognizes the enzyme glucoamylase. The catalytic domain of glucoamylase hydrolyzes terminal 1,4-alpha-D-glucose from non-reducing ends and releases beta-glucose. Synonyms: 1 4 alpha D glucan glucohydrolase antibody, Amyloglucosidase antibody, Gluc 1 antibody, Gluc 2 antibody, Gluc 3 antibody, Glucan 1 4 alpha glucosidase antibody, Glucan 14 alpha glucosidase antibody
UniProt:	<a href="#">P07683</a>

## Application Details

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Application Notes:	Anti-Glucoamylase has been 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-ethylbenthiiazoline-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.  ELISA Dilution: 1:5.000 - 1:20.000 IF Immunoprecipitation Dilution: 1:100 Western Blot Dilution: 1:500 - 1:5.000
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Restrictions:	For Research Use only
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## Handling

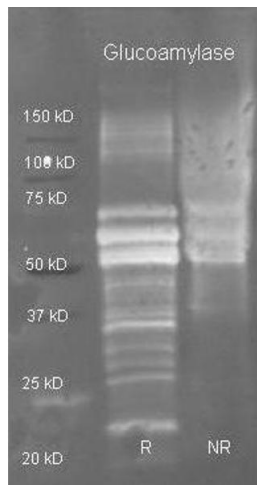
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Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

## Handling

Expiry Date: Expiration date is one (1) year from date of opening.

## Images



### Western Blotting

**Image 1.** Goat anti Glucoamylase antibody 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 ABIN925618). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/ABIN925618 1 hr RT) . Images were collected using the BioRad VersaDoc System