

Datasheet for 100-101-214**Glucose Dehydrogenase Antibody****Overview**

Description:	Anti-Glucose Dehydrogenase (GOAT) Antibody - 100-101-214
Item No.:	100-101-214
Size:	2 mL
Applications:	WB
Reactivity:	Bacillus sp.
Host Species:	Goat

Product Details

Background:	Glucose Dehydrogenase catalytic activity: D-glucose + NAD(P) ⁺ = D-glucono-1,5-lactone + NAD(P)H.
Synonyms:	goat anti-Glucose Dehydrogenase Antibody, gdh antibody, gdh2 antibody, gdh3 antibody, gdh4 antibody, gdh1 antibody, GLCDHIII antibody, GLCDHIV antibody, Glucose 1 dehydrogenase 1 antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	gdhB
Reactivity:	Bacillus sp.
Immunogen Type:	Native Protein
Immunogen:	Glucose Dehydrogenase [Bacillus]
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Glucose Dehydrogenase [Bacillus]. Cross reactivity against Glucose Dehydrogenase from other sources is unknown.

Relevant Links:

- [UniProtKB - P07999](#)
- [NCBI - AAA22475.1](#)
- [GeneID - 8985276](#)

Application Details

Tested Applications:	WB
Application Note:	Anti-Glucose Dehydrogenase has been tested by western blot and is suitable to be assayed against 1.0 ug of Glucose Dehydrogenase [Bacillus] 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 1:7,500 to 1:32,000 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 - 1:25,000
WB:	1:500 - 1:3,000

Formulation

Physical State:	Lyophilized
Concentration:	90 mg/mL by Refractometry
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:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

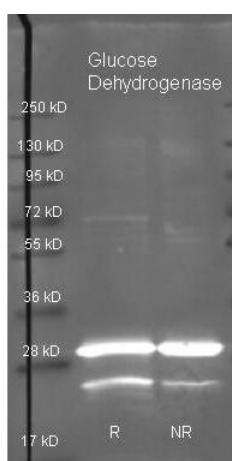
Shipping & Handling

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 Glucose Dehydrogenase antibody (100-101-214 lot 6454) was used to detect purified Glucose Dehydrogenase 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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