

Product datasheet for **TA396696S**

gdhB Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB: 1:500 - 1:3,000 ELISA: 1:5,000 - 1:25,000
Reactivity:	Bacillus species
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose Dehydrogenase [Bacillus species]
Specificity:	Anti-Glucose Dehydrogenase 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 Glucose Dehydrogenase [Bacillus species]. Cross reactivity against Glucose Dehydrogenase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P07999



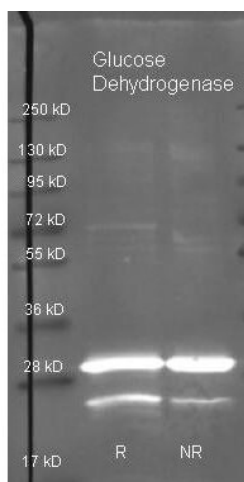
[View online »](#)

Background: Anti-Glucose Dehydrogenase antibody recognizes glucose dehydrogenase. A member of the oxidoreductase family that acts on CH-OH group on donors, glucose dehydrogenase uses NAD⁺ or NADP⁺ as the acceptor. Glucose dehydrogenase reacts with beta-D-glucose to produce D-glucono-1,5-lactone and depending on the acceptor, either NADH or NADPH. Anti-Glucose Dehydrogenase is ideal for investigators interested in Metabolism, Cancer, and Signal Transduction.

Synonyms: goat anti-Glucose Dehydrogenase Antibody biotin Conjugation, biotin Conjugated goat anti-Glucose Dehydrogenase Antibody, gdh antibody, gdh2 antibody, gdh3 antibody, gdh4 antibody, gdh1 antibody, GLCDHIII antibody, GLCDHIV antibody, Glucose 1 dehydrogenase 1 antibody

Note: Anti-Glucose Dehydrogenase has been assayed against 1.0 ug of Glucose Dehydrogenase 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

Product images:



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