

## Product datasheet for R1082

### gdh Goat Polyclonal Antibody

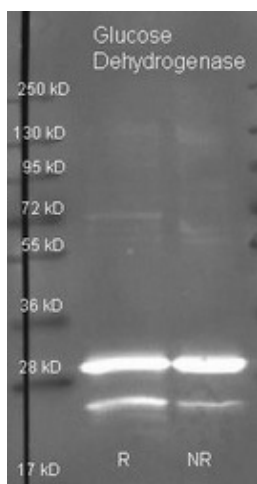
#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most immunological methods requiring high titer and specificity. <u>Recommended Dilutions:</u> This product has been assayed against 1.0 ug of Glucose Dehydrogenase [Bacillus] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) 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.
Reactivity:	Bacillus sp.
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose Dehydrogenase [Bacillus].
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Glucose Dehydrogenase [Bacillus]. Cross reactivity against Glucose Dehydrogenase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide as preservative. State: Serum State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Prepared from monospecific antiserum by a delipidation and defibrination.
Conjugation:	Unconjugated



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<b>Storage:</b>	Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. For extended storage aliquot contents and freeze at -20°C or below. This product is stable for one month at 2-8°C as an undiluted liquid. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Database Link:</b>	<a href="#">P07999</a>
<b>Background:</b>	Glucose Dehydrogenase catalyses the oxidation of D glucose without prior phosphorylation to D beta gluconolactone using NAD or NADP as a coenzyme. The enzyme is a tetrameric protein, each of the 4 identical subunits containing 262 amino acid residues. This family is a subset of a more general family of short chain dehydrogenases and reductases.
<b>Synonyms:</b>	Glucose 1-dehydrogenase, gdh, BSU03930

**Product images:**

Goat anti Glucose Dehydrogenase antibody. 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 1/3,000 dilution of primary antibody. Detection shown was using Dylight 488 conjugated secondary antibody. Images were collected using the BioRad VersaDoc System.