

## Product datasheet for **R1082HRPS**

### gdh Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Western blot:</b> 1/1,000-1/5,000. <b>ELISA:</b> 1/10,000-1/40,000. This product has been assayed against 1.0 µg of Glucose dehydrogenase [Bacillus sp.] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/1,000 to 1/3,000 of the reconstitution concentration is suggested for this product.
Reactivity:	Bacillus sp.
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose dehydrogenase from Bacillus sp.
Specificity:	This antibody detects Glucose dehydrogenase [Bacillus sp.]. Cross reactivity against Glucose dehydrogenase from other sources is unknown. Immunoelectrophoresis give a single precipitin arc against anti-peroxidase, anti-goat serum as well as purified and partially purified Glucose dehydrogenase [Bacillus sp.].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP



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<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<a href="#">P12310</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