

Product datasheet for **R1082PS**

gdh Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Western blot: 1/500-1/3,000. ELISA: 1/5,000-1/25,000. This product has been assayed against 1.0 ug of Glucose dehydrogenase [Bacillus sp.] in a standard sandwich ELISA using peroxidase conjugated affinity purified anti-goat IgG (goat) and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/1,000 to 1/5,000 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-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 State: Purified State: Lyophilized purified Ig fraction Preservative: 0.01% Sodium azide
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:	Unconjugated
Storage:	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.



[View online »](#)

Stability:	Shelf life: one year from despatch.
Database Link:	P12310
Background:	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.
Synonyms:	Glucose 1-dehydrogenase, gdh, BSU03930