

Product datasheet for **TA396733**

zwf Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB: 1:500 - 1:2,000 ELISA: 1:5,000 - 1:20,000
Reactivity:	Leuconostoc mesenteroides
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose-6-Phosphate Dehydrogenase [Leuconostoc mesenteroides]
Specificity:	Anti-Glucose-6-Phosphate 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-6-Phosphate Dehydrogenase [Leuconostoc mesenteroides]. Cross reactivity against Glucose-6-Phosphate Dehydrogenase from other sources may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	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.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P11411



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- Background:** Anti-Glucose-6-Phosphate Dehydrogenase recognizes the oxidoreductase glucose-6-phosphate dehydrogenase. Found in the cytosol, glucose-6-phosphate dehydrogenase is responsible for oxidizing glucose-6-phosphate and reducing NADP to NADPH as part of the pentose phosphate pathway. As such, glucose-6-phosphate dehydrogenase is crucial in the maintenance of NADPH levels. A deficiency of glucose-6-phosphate dehydrogenase is a risk factor for non-immune hemolytic anemia. Glucose-6-phosphate dehydrogenase may also play a role in cell growth and proliferation and therefore, cancer.
- Synonyms:** goat anti-Glucose-6-Phosphate Dehydrogenase Antibody biotin Conjugation, biotin Conjugated goat anti-Glucose-6-Phosphate Dehydrogenase Antibody, G6PD antibody, G6PD1 antibody, G6pdx antibody, Glucose 6 phosphate 1 dehydrogenase antibody, MET19 antibody, POS10 antibody, Zwf1p antibody
- Note:** Anti-Glucose-6-Phosphate Dehydrogenase Biotin has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Glucose-6-Phosphate 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 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.