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Product datasheet for TA396734S

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
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:	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.