OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA396723

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 [Yeast]
Specificity:	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-Peroxidase, anti-Goat Serum as well as purified and partially purified Glucose-6-Phosphate-Dehydrogenase [Yeast]. Cross reactivity against Glucose-6-Phosphate-Dehydrogenase from other tissues and species 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:	HRP
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

View online »

Background: Glucose-6-Phosphate Dehydrogenase is in the pentose phosphate pathway, a metabolic pathway that supplies reducing energy to cells (such as erythrocytes) by maintaining the level of the co-enzyme nicotinamide adenine dinucleotide phosphate (NADPH), which maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage. Cell growth and proliferation are affected by Glucose-6-Phosphate Dehydrogenase. Glucose-6-Phosphate Dehydrogenase inhibitors are under investigation to treat cancers and other conditions. DHEA is a Glucose-6-Phosphate Dehydrogenase inhibitor.

Synonyms: goat anti-Glucose-6-Phosphate Dehydrogenase Antibody HRP Conjugation, Peroxidase 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 has been tested in ELISA and western blot. This product is assayed against 1.0 ug of Glucose-6-Phosphate-Dehydrogenase [Yeast] in a standard capture ELISA using 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 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.