

## Datasheet for 200-106-237

**Beta-Phosphoglucomutase Antibody Biotin Conjugated****Overview**

<b>Description:</b>	Anti-Beta Phosphoglucomutase (GOAT) Antibody Biotin Conjugated (BULK ORDER) - 200-106-237
<b>Item No.:</b>	200-106-237
<b>Size:</b>	10 mg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Lactococcus lacti
<b>Host Species:</b>	Goat

**Product Details**

<b>Background:</b>	Anti-Beta-Phosphoglucomutase antibody is located in the cytoplasm, working to catalyze the transference of a phosphoryl group on a glucose or lactose monomer from the 1' to the 6' position in the forward direction or 6' to the 1' position in the reverse direction. Anti-Beta-Phosphoglucomutase is essential to regulating the flow of carbohydrate intermediates in glycolysis as well as the formation of the sugar nucleotide UDP-glucose. Part of the HAD-like hydrolase superfamily, Anti-Beta-Phosphoglucomutase antibody is ideal for researchers interested in Metabolism research.
<b>Synonyms:</b>	goat anti-Beta-Phosphoglucomutase Antibody biotin Conjugation, biotin conjugated goat anti-Beta PGM antibody, Glucose phosphomutase 1 antibody, Glucose phosphomutase antibody, PGM antibody, pgmB antibody
<b>Host Species:</b>	Goat
<b>Conjugate:</b>	Biotin
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	pgmB
<b>Reactivity:</b>	Lactococcus lacti
<b>Immunogen Type:</b>	Native Protein

<b>Immunogen:</b>	beta Phosphoglucomutase [ <i>Lactococcus lacti</i> ]
<b>Purity/Specificity:</b>	Anti-Beta-Phosphoglucomutase 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 Beta-Phosphoglucomutase [ <i>Lactococcus lacti</i> ]. Cross reactivity against Beta-Phosphoglucomutase from other sources is unknown.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P71447</a></li><li>• <a href="#">NCBI - CAA94734.1</a></li><li>• <a href="#">GenelD - 1114041</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, WB
<b>Application Note:</b>	Anti-Beta-Phosphoglucomutase Biotin has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Beta-Phosphoglucomutase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:50,000 is suggested for this product.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:5,000 - 1:25,000
<b>WB:</b>	1:500 - 1:3,000

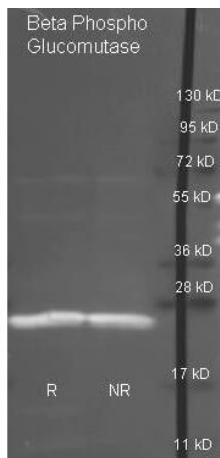
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	10.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	1.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Rockland Goat anti antibody (200-101-237 lot 8180) was used to detect purified Beta Phospho Glucomutase under reducing (R) and non-reducing (NR) conditions. Reduced samples of protein contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT). Images were collected using the BioRad VersaDoc System.

## Disclaimer

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