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Datasheet for 200-106-237

Beta-Phosphoglucomutase Antibody Biotin Conjugated

Overview

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

Product Details

Background:	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.
Synonyms:	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
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	pgmB
Reactivity:	Lactococcus lacti
Immunogen Type:	Native Protein

Immunogen:	beta Phosphoglucomutase [Lactococcus lacti]
Purity/Specificity:	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 [Lactococcus lacti]. Cross reactivity against Beta-Phosphoglucomutase from other sources is unknown.
Relevant Links:	• UniProtKB - P71447 • NCBI - CAA94734.1 • GeneID - 1114041

Application Details

Tested Applications:	ELISA, WB
Application Note:	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-ethylbenthiazoline-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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:3,000

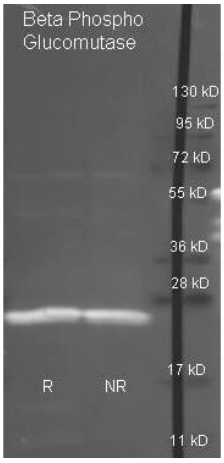
Formulation

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

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	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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