

R1157PS**Polyclonal Antibody to PGMB - Purified**

Alternate names:	Beta-PGM, Beta-phosphoglucomutase, Glucose Phosphomutase, Phosphoglucomutase beta
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Uniprot ID:	P71447
NCBI:	NP_266585.1
GeneID:	1114041
Host:	Goat
Immunogen:	Beta-phosphoglucomutase (PGMB) from <i>Lactococcus lacti</i> Genename: pgmB
Format:	State: Lyophilized purified Ig fraction Purification: Multistep process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer Buffer System: 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Preservatives: 0.01% Sodium Azide Stabilizers: None Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).
Applications:	Western blot: 1/500-1/3000. ELISA: 1/1,000-1/5,000 dilution suggested to begin optimization. This product has been assayed against 1.0 µg of beta-phosphoglucomutase [<i>Lactococcus lacti</i>] in a standard Sandwich ELISA using peroxidase conjugated affinity purified anti-goat IgG [H&L] (Rabbit) and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/15,000 to 1/60,000 of the reconstitution concentration is suggested. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects beta-phosphoglucomutase from <i>Lactococcus lacti</i> . Immunoelectrophoresis gives a single precipitin arc against anti-Goat serum as well as purified and partially purified beta-phosphoglucomutase [<i>Lactococcus lacti</i>]. Cross reactivity against b-Phosphoglucomutase from other sources is unknown. Species: <i>Lactococcus lacti</i> . Other species not tested.
Add. Information:	<i>Conjugates available. Please ask for details.</i>
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Goat anti Beta phosphoglucomutase antibody (Cat.-No. R1157P, lot 8180) was used to detect purified Beta phosphoglucomutase 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. Detection shown was using Dylight 488 conjugated donkey anti goat 1/10K in TBS/blocking buffer 1 hr RT). Images were collected using the BioRad VersaDoc System.

