

Datasheet for 200-103-230**Maltose Phosphorylase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Maltose Phosphorylase (E. coli) (GOAT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-103-230
Item No.:	200-103-230
Size:	20 mg
Reactivity:	Bacteria
Host Species:	Goat

Product Details

Background:	Maltose Phosphorylase belongs to the family of glycosyltransferases, specifically the hexosyltransferases. The systematic name of this enzyme class is maltose:phosphate 1-beta-D-glucosyltransferase. This enzyme participates in starch and sucrose metabolism. Two substrates of this enzyme are maltose and phosphate, whereas its two products are D-glucose and beta-D-glucose 1-phosphate.
Synonyms:	goat anti-Maltose Phosphorylase Antibody HRP Conjugation, Peroxidase Conjugated goat anti-Maltose Phosphorylase Antibody, mapA antibody, mpA antibody
Host Species:	Goat
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LAF
Reactivity:	Bacteria
Immunogen Type:	Native Protein
Immunogen:	Maltose Phosphorylase [E.coli]

Purity/Specificity: Maltose Phosphorylase 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 Maltose Phosphorylase [E.coli]. Cross reactivity against Maltose Phosphorylase from other sources is unknown.

Relevant Links:

- [UniProtKB - B2GEX2](#)
- [NCBI - YP_001842841.1](#)
- [GeneID - 6233598](#)

Application Details

Application Note: Anti-Maltose Phosphorylase has a working dilution of 1:2,000 to 1:10,000 of the reconstitution concentration 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 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 10 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) Gentamicin Sulfate. Do NOT add Sodium Azide!

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume: 2.0 mL

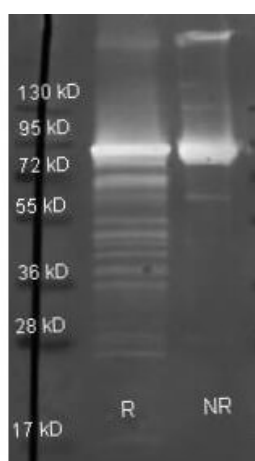
Reconstitution Buffer: Restore with deionized water (or equivalent)

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 Maltose Phosphorylase antibody (200-101-230 lot 7850) was used to detect Maltose Phosphorylase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins 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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