

## Datasheet for 200-101-230

## Maltose Phosphorylase Antibody

### Overview

|                      |   |
|----------------------|---|
| <b>Description:</b>  | Anti-Maltose Phosphorylase (E. coli) (GOAT) Antibody (BULK ORDER) - 200-101-230 |
| <b>Item No.:</b>     | 200-101-230   |
| <b>Size:</b>         | 50 mg   |
| <b>Applications:</b> | WB  |
| <b>Reactivity:</b>   | Bacteria  |
| <b>Host Species:</b> | Goat  |

### Product Details

|                      |   |
|----------------------|---|
| <b>Background:</b>   | Maltose Phosphorylase catalyzes the phosphorolysis of maltose, leading to the formation of glucose and glucose 1-P. |
| <b>Synonyms:</b>     | goat anti-Maltose Phosphorylase Antibody, mapA antibody, mpA antibody   |
| <b>Host Species:</b> | Goat  |
| <b>Clonality:</b>    | Polyclonal  |
| <b>Format:</b>       | IgG   |

### Target Details

|                            |   |
|----------------------------|---|
| <b>Gene Name:</b>          | LAF   |
| <b>Reactivity:</b>         | Bacteria  |
| <b>Immunogen Type:</b>     | Native Protein  |
| <b>Immunogen:</b>          | Maltose Phosphorylase [E.coli]  |
| <b>Purity/Specificity:</b> | Anti-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-Goat Serum as well as purified and partially purified Maltose Phosphorylase [E.coli]. Cross reactivity against Maltose Phosphorylase from other sources is unknown. |

|                        |   |
|------------------------|---|
| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - B2GEX2</a></li><li>• <a href="#">NCBI - YP_001842841.1</a></li><li>• <a href="#">GeneID - 6233598</a></li></ul> |
|------------------------|---|

## Application Details

|                             |  |
|-----------------------------|--|
| <b>Tested Applications:</b> | WB   |
| <b>Application Note:</b>    | Anti-Maltose Phosphorylase has been tested by western blot. A working dilution of 1:2,000 to 1:10,000 of the reconstitution concentration 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 - 1:20,000   |
| <b>IP:</b>                  | 1:100  |
| <b>WB:</b>                  | 1:500 - 1:5,000  |

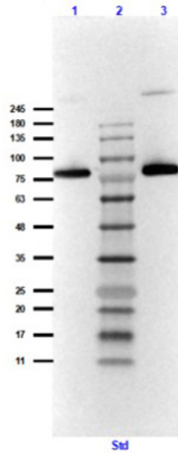
## Formulation

|                               |  |
|-------------------------------|--|
| <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>            | None   |
| <b>Reconstitution Volume:</b> | 5.0 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

Western Blot Results of Goat Anti-Maltose Phosphorylase Antibody.

Lane 1: Maltose Phosphorylase Reduced [0.1µg].

Lane 2: Opal Prestained Molecular Weight [p/n MB-210-0500].

Lane 3: Maltose Phosphorylase Non-Reduced [0.1µg].

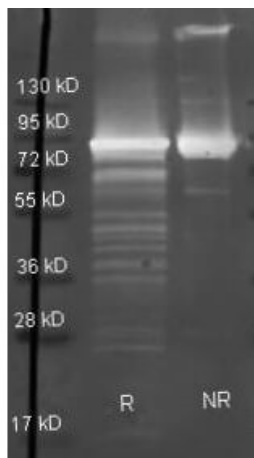
Primary Antibody: Anti-Maltose Phosphorylase [Goat] Antibody at 1:1000 overnight at 2-8°C.

Secondary Antibody: Anti-Goat IgG [Rabbit] Peroxidase Conjugated [p/n 605-4302] at 1:40,000 for 30mins at RT.

Block: Blocking Buffer for Fluorescent Western Blotting [p/n MB-070] for 1hr at RT.

Expect: ~90kDa.

Exposure: 3.4sec.



### 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 ~1µg 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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