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Datasheet for 200-101-230

Maltose Phosphorylase Antibody

Overview

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

Product Details

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

Target Details

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

Relevant Links:	• UniProtKB - B2GEX2 • NCBI - YP_001842841.1 • GeneID - 6233598

Application Details

Tested Applications:	WB
Application Note:	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.
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

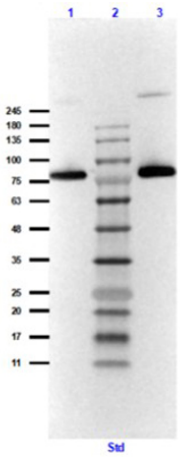
Formulation

Physical State:	Lyophilized
Concentration:	10.0 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:	None
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

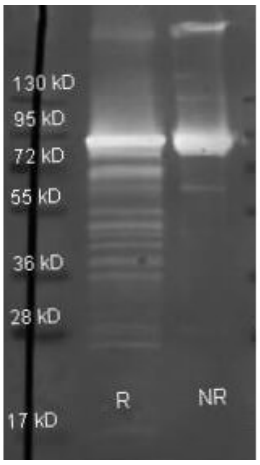
Shipping & Handling

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
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 ~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

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