

R1151BS**Polyclonal Antibody to Maltose Phosphorylase - Biotin**

Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Maltose phosphorylase is a dimeric enzyme that catalyzes the conversion of maltose and inorganic phosphate into beta D glucose 1 phosphate and glucose without requiring any cofactors, such as pyridoxal phosphate. The enzyme is part of operons that are involved in maltose/malto oligosaccharide metabolism.
Host:	Goat
Immunogen:	Maltose Phosphorylase from E.coli
Format:	State: Lyophilized purified Ig fraction Purification: 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% (w/v) Sodium azide Stabilizers: 10 mg/ml BSA (immunoglobulin and protease free) Label: Biotin Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).
Applications:	Western blot: 1/500-1/5,000. Immunoprecipitation: 1/100. ELISA: 1/5,000-1/20,000. This antibody has been assayed against 1.0 µg of Maltose Phosphorylase in a standard capture ELISA using peroxidase conjugated streptavidin and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/4,000 to 1/20,000 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 Maltose Phosphorylase [E.coli]. Cross reactivity against Maltose Phosphorylase from other sources is unknown. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-goat serum as well as purified and partially purified Maltose Phosphorylase [E.coli].
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.