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# Product datasheet for R1151

## Maltose Phosphorylase Goat Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IP, WB |
| **Recommended Dilution:** | Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most immunological methods requiring high titer and specificity.<br>Recommended Dilutions: This product has been assayed against 1.0 ug of Maltose Phosphorylase [E.coli] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product. |
| **Reactivity:** | Escherichia coli |
| **Host:** | Goat |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Maltose Phosphorylase [E.coli]. |
| **Specificity:** | Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Maltose Phosphorylase [E.coli].<br>Cross reactivity against Maltose Phosphorylase from other sources is unknown. |
| **Formulation:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide as preservative.<br>State: Serum<br>State: Lyophilized purified Ig fraction. |
| **Reconstitution Method:** | Restore with 2.0 ml of deionized water (or equivalent). |
| **Concentration:** | lot specific |
| **Purification:** | Prepared from monospecific antiserum by a delipidation and defibrination. |
| **Conjugation:** | Unconjugated |

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**Storage:** Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.
This antibody is stable for one month at 2-8°C as an undiluted liquid.
Dilute only prior to immediate use.
Avoid repeated freezing and thawing.

**Stability:** Shelf life: One year from despatch.

**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.