

## Product datasheet

# Anti-Maltose phosphorylase antibody (Biotin) ab34543

### Overview

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|----------------------------|--|
| <b>Product name</b>        | Anti-Maltose phosphorylase antibody (Biotin)   |
| <b>Description</b>         | Goat polyclonal to Maltose phosphorylase (Biotin)  |
| <b>Conjugation</b>         | Biotin   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ELISA, Dot blot, Immunomicroscopy   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Escherichia coli   |
| <b>Immunogen</b>           | Full length protein (Escherichia coli )  |
| <b>General notes</b>       | Label: Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) Biotin/Protein Ratio: 10-20 BAC molecules per goat IgG molecule. |

### Properties

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| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.  |
| <b>Storage buffer</b>       | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 1% BSA   |
| <b>Purity</b>               | IgG fraction   |
| <b>Purification notes</b>   | This product is an IgG fraction antibody purified from monospecific antiserum by a multistep process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab34543** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application      | Abreviews | Notes |
|------------------|-----------|-------|
| WB               |           |       |
| ELISA            |           |       |
| Dot blot         |           |       |
| Immunomicroscopy |           |       |

#### Application notes

Dot: Use at an assay dependent dilution.

ELISA: 1/4000 - 1/20000. This product 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.

IM: Use at an assay dependent dilution.

WB: Use at an assay dependent dilution. Predicted molecular weight: 86 kDa.

Suitable for antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### Target

#### Relevance

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.

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