

Product datasheet

Anti-Maltose phosphorylase antibody (Biotin) ab34543

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 1% BSA
Purity	IgG fraction
Purification notes	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.
Clonality	Polyclonal
Isotype	IgG

Applications

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		

Application	Abreviews	Notes
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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