

Purified anti-Maltose Binding Protein (MBP) Antibody (Previously Covance catalog# MRT-131P)

Catalog# / Size	906901 / 200 µL
Clone	YM-2
Regulatory Status	RUO
Other Names	ECK4026, JW3994, Mal E, MalE, malJ, Maltodextrin binding protein, Maltose ABC transporter periplasmic protein, Maltose binding periplasmic protein, MMBP, Periplasmic maltose binding protein
Previously	Covance Catalog# MRT-131P
Isotype	Rat IgG2b, κ
Description	The maltose-binding protein (MBP) makes up a part of the maltose/maltodextrin system in <i>E. coli</i> that is responsible for the uptake and catabolism of maltodextrins. It has a predicted molecular weight of 42.5 kDa and is used to increase the solubility of <i>E. coli</i> expressed recombinant proteins, or as an affinity tag for the purification of recombinant proteins.

Product Details

Verified Reactivity	Maltose-binding Protein Tag
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	YM-2 was raised against a recombinant MBP (maltose-binding protein) from <i>E. coli</i> .
Formulation	Phosphate-buffered solution.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.
Application	WB - Quality tested ELISA - Reported in the literature, not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by Western blotting . The optimal working dilution should be determined for each specific assay condition. • WB: 1:1,000
Application Notes	This antibody is effective in immunoblotting and ELISA.
Application References (PubMed link indicates BioLegend citation)	1. Tian W, <i>et al.</i> 2004. <i>Cancer Sci.</i> 95:491.
Product Citations	1. Tsourouktsoglou TD, <i>et al.</i> 2020. <i>Cell Reports.</i> 31(5):107602. PubMed 2. Ma X, <i>et al.</i> 2020. <i>Nature.</i> 581:199. PubMed
RRID	AB_2565070 (BioLegend Cat. No. 906901)

Antigen Details

Gene ID [948538](#)

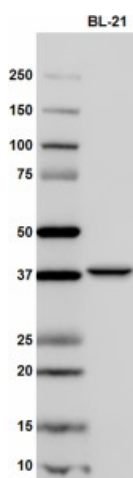
Related Protocols

[Western Blotting Protocol](#)

Other Formats

Purified anti-Maltose Binding Protein (MBP)

Product Data



Total lysates (15 μ g protein) from BL21 (*E. coli*) were resolved by electrophoresis (4-20% Tris-glycine gel), transferred to nitrocellulose, and probed with 1:1000 (1 μ g/ml) purified anti-Maltose Binding Protein antibody, clone YM-2. Proteins were visualized using chemiluminescence detection by incubation with HRP Goat anti-rat secondary antibody (Cat. No. 405405, 1:3000 dilution).

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