

# E.coli Maltose Binding Protein/MBP antibody

Catalog Number: AMB0710

## PRODUCT INFORMATION

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**Catalog number**

AMB0710

**Clone No.**

10C12

**Product type**

Monoclonal Antibody

**UnitProt No.**

P0AEX9

**NCBI Accession No.**

NP\_418458.1

**Alternative Names**

ZCSL3, MMBP, MBP, Maltose binding protein, Maltodextrin-binding protein, malJ, malE, JW3994, JJJ3, Escherichia coli MBP, ECK4026, E.coli MBP, DPH4, Cytoplasmic maltose-binding protein

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant MBP purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB

**Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

**Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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## BACKGROUND

### Description

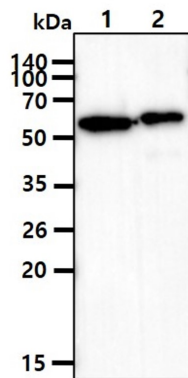
Epitope tagging offers an easy and universal strategy for the identification and purification of proteins derived by recombinant DNA technology. The insertion of a Maltose Binding Protein (MBP) tag creates a stable fusion product that does not interfere with the bioactivity of the protein or with the biodistribution of the MBP tagged product.

### General References

- Jonathan D et al.,(1996) Proc Natl Acad Sci USA 93:211-215.  
Weiming Y et al., (2001) EMBO J 20(3):362-371.  
Chen Z et al., (2005) Proc Natl Acad Sci USA 102(29):10200-10205.

## DATA

### Western blot analysis (WB)



The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MBP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: MBP-tagged WLS protein(58.9kDa)  
Lane 2.: MBP-tagged IRF7 protein(59.3kDa)