

Mouse anti MBP-Tag mAb

Catalog No.: AE016

52 Publications

Basic Information

Observed MW

42 kDa/40 kDa

Calculated MW

42.5 kDa

Category

Tag antibody

Applications

WB, ELISA

Cross-Reactivity

Species independent

CloneNo number

AMC0505

Background

Maltose-Binding Protein (MBP) is a part of the maltose/maltodextrin system of Escherichia coli, which is responsible for the uptake and efficient catabolism of maltodextrins. It is a complex regulatory and transport system involving many proteins and protein complexes. MBP has an approximate molecular mass of 42.5 kilodaltons.

Recommended Dilutions

WB 1:2000-1:10000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

MBP; MBP tag; MBP-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1, Kappa

Purification

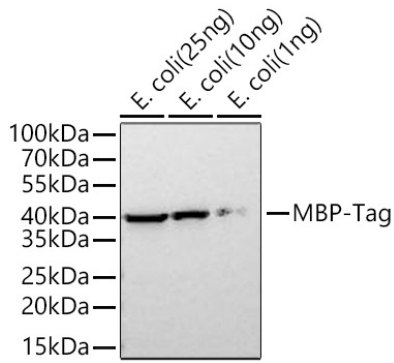
Affinity purification

Storage

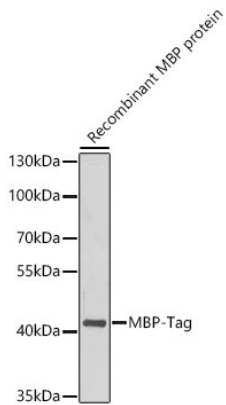
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from *E. coli* cells using Mouse anti MBP-Tag mAb (AE016) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 ng/10 ng/1 ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



Western blot analysis of recombinant MBP protein using Mouse anti MBP-Tag mAb (AE016) at dilution of 1:5000. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 10 ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.