

MBP-Tag Monoclonal Antibody

Catalog No. E-AB-20013

Note: Centrifuge before opening to ensure complete recovery of vial contents.

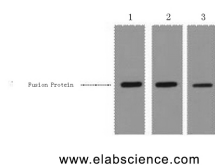
Description

Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications Recommended Dilution

WB	1:5000-1:10000
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Data



Western Blot analysis of 0.5ug MBP fusion protein using MBP-Tag Monoclonal Antibody at dilution of 1) 1:3000 2) 1:5000 3) 1:10000.

Preparation & Storage

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

Background

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. Maltose binding protein(MBP) is the 370 amino acid product of the E.coli mal E gene. MBP is a useful affinity tag that can increase the expression level and solubility of the resulting tagged protein. The MBP tag also promotes proper folding of the attached protein. Plasmid vectors have been constructed utilizing the MBP domain that allow the synthesis of high levels of MBP-fusion proteins that can be purified in a one step procedure by affinity chromatography cross linked amylose resin. Once bound to amylose, the MBP protein can then be separated from the target protein by cleavage by coagulation Factor Xa at a specific four residue site.

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