

MBP-Tag Mouse monoclonal antibody

Catalog: MB2012

Host: Mouse

Reactivity: All

BackGround:

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. Alternatively, the intact fusion protein can be specifically eluted from the resin by the addition of excess free maltose. Subsequent to elution, MBP fusion protein can be visualized either by western blot analysis or immunoprecipitation using antibodies specific for the MBP-tag. This antibody recognizes MBP (Maltose binding protein) TAG in some expression systems.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

N/A

Swiss-Prot:

N/A

Purification&Purity:

Affinity-chromatography

Applications:

WB: 1:5000~1:10000

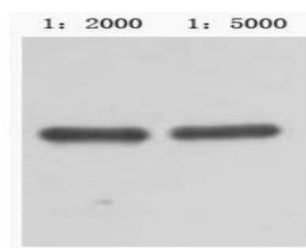
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MBP-tag mouse monoclonal antibody detects endogenous levels of internal, C-terminal, and N-terminal MBP-tagged recombinant proteins.

DATA:



Western blot analysis of MBP-tag fusion protein, using MBP-tag mouse monoclonal antibody.

Note:

For research use only, not for use in diagnostic procedure.

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