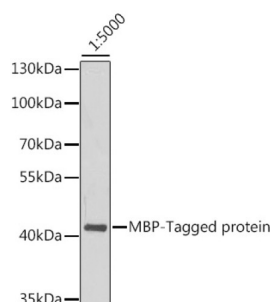


MBP-Tag Antibody

Catalogue No.: abx005589



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

MBP-Tag Antibody is a Mouse Monoclonal antibody against MBP-Tag. 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. 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 (myelin basic protein) TAG in some expression systems.

Target:	MBP-Tag
Clonality:	Monoclonal
Reactivity:	General
Tested Applications:	ELISA, WB
Host:	Mouse
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/5000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant protein of MBP-Tag
Isotype:	IgG ₁ Kappa
Form:	Liquid
Purification:	Purified by affinity chromatography.

Datasheet

Version: 2.0.0

Revision date: 28 Jul 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 42.5 kDa

Observed MW: 42 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only