

Product Datasheet

Maltose Binding Protein Antibody / malE / MBP tag (orb2644129)

Catalog Number	orb2644129
Category	Antibodies
Description	Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors frequently encode hybrid fusion proteins consisting in part of prokaryotic and in part, eukaryotic specified proteins. One such system utilizes maltose binding protein (MBP), the 370 amino acid product of the E. coli mal E gene. 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 crosslinked 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. Expression systems utilizing the MBP fusion tag include pCG-806fx and pMal vectors.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Buffer/Preservatives	0.2 mg/ml with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Purity	Protein G affinity chromatography

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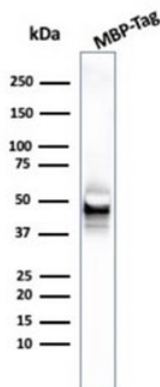
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Immunogen	MOS maltose binding protein fusion protein was used as the immunogen for this MBP tag antibody.
Tested applications	IF, WB
Dilution range	Immunofluorescence: 1-2ug/ml, Western blot: 1-2ug/ml
Application notes	Optimal dilution of the antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	R29.6
Formula	0.2 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Hazard Information	This MBP tag antibody is available for research use only.
Note	For research use only



Western blot testing of MBP-tagged recombinant protein with MBP tag antibody.

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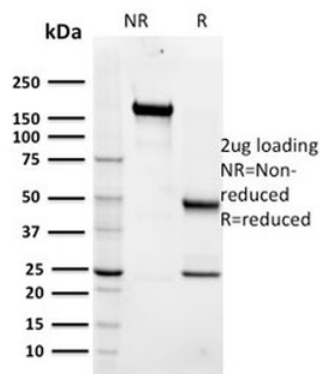
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SDS-PAGE analysis of purified, BSA-free MBP tag antibody (clone R29.6) as confirmation of integrity and purity.

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