Maltose Binding Protein / MBP-probe Antibody

Mouse Monoclonal Antibody [Clone R29.6]

Catalog No	Format	Size
MSM1-2847-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1-2847-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1-2847-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

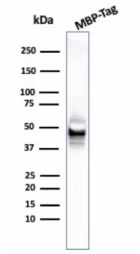
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

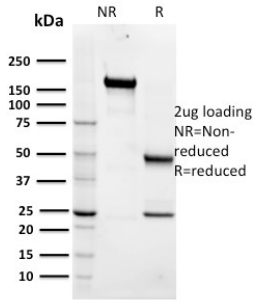
Clone	R29.6
Gene Name	N/A
Immunogen	MOS maltose binding protein fusion protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	N/A
Species Reactivity	MBP fusion proteins
Positive Control	Saos-2 cells. MBP fusion proteins.

**Optimal dilution for a specific application should be determined.*

Product Images for Maltose Binding Protein / MBP-probe Antibody



Western Blot Analysis of MBP-Tag recombinant protein using Maltose Binding Protein Mouse Monoclonal Antibody (R29.6).



SDS-PAGE Analysis of Purified Maltose Binding Protein Mouse Monoclonal Antibody (R29.6). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty