

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07)
Mouse Monoclonal Antibody
Catalog # ABV11265**Specification**

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Product Information

Application	WB, E
Primary Accession	P59214
Reactivity	All Species
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1 κ
Calculated MW	45367

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Additional Information

Positive Control	Western blot: MBP-Tagged protein
Application & Usage	ELISA, WB
Other Names	
MBP-Tag	

Target/Specificity
MBP-Tag**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
1 mg/ml in 0.15 M PBS**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) is for research use only and not for use in diagnostic or therapeutic procedures.

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Protein Information

Name malX

Function

Part of an ABC transporter complex involved in the uptake of maltodextrins. Binds glycogen-derived linear maltooligosaccharides increasing in size from maltotriose to maltooctaose with the highest affinity for maltotriose. Has a very weak affinity for maltose. Has also a very low affinity for maltotetraitol, indicating that the binding is selective for maltooligosaccharides with an intact reducing end.

Cellular Location

Cell membrane; Lipid-anchor

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Images

Maltose Binding Protein - Tag (MBP-Tag) Antibody (Clone 17D07) - Background

Maltose Binding Protein (MBP) tags have demonstrated utility to increase expression and proper folding of proteins expressed in bacteria leading to improved solubility of the partner protein. MBP allows one to use a simple capture affinity step on amylose-agarose columns, resulting in a protein that is often 70-90% pure. In addition to protein-isolation applications, MBP provides a high degree of translation and facilitates the proper folding and solubility of the target protein. MBP fusion proteins can also be expressed in yeast.