

AM00088PU-N**Monoclonal Antibody to Maltose Binding Protein Tag / MBP-Tag
- Purified**

Alternate names:	MMBP, Maltodextrin-binding protein, malE-Tag
Quantity:	0.1 mg
Background:	Maltose Binding Protein (MBP), the E. coli malE gene product, is widely used as fusion partner for the expression of recombinant proteins.
Uniprot ID:	POAEX9
NCBI:	AP_004535.1
GeneID:	948538
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	6E4
Immunogen:	Purified MBP (Maltose Binding Protein)
Format:	State: Lyophilized purified IgG fraction Purification: Subsequent Thiophilic Adsorption and Size Exclusion Chromatography Buffer System: 1ml 2 x PBS containing 0.09% Sodium Azide, PEG and Sucrose Reconstitution: Restore with 1 ml H ₂ O (15 min, RT)
Applications:	Western blot: 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. ELISA: 0.05 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	43 kDa
Specificity:	This antibody can be used for the detection of MBP fusion proteins.
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid Nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months. Shelf life: one year from despatch.

Pictures:

Antibody sensitivity: MBP was separated by SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with MBP antibody (6E4) Cat.-No AM00088PU-N (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). Lane 1: 100ng MBP Lane 2: 50ng MBP Lane 3: 25ng MBP Lane 4: 10ng MBP Lane 5: 5ng MBP Lane 6: 2ng MBP Lane 7: 1ng

