

bsm-33012M**[Primary Antibody]****BioSS**
ANTIBODIES

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T7 tag Mouse mAb**— DATASHEET —****Host:** Mouse**Isotype:** IgG**Clonality:** Monoclonal**CloneNo.:** 3G7**Target:** T7 tag**Immunogen:** KLH conjugated synthetic peptide T7-tag: MASMTGGQMG.**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** Size : 100ul/500ul

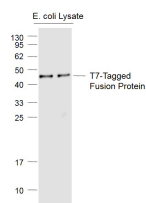
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The T7 tag is an 11 amino acid peptide encoded in the leader sequence of T7 bacteriophage gene10. This gene encodes a T7 major capsid protein whose function is not clear. The T7 tag serves as a tag in many expression vectors including the pET system that is based on the very efficient T7 RNA polymerase expression system. Monoclonal antibodies specific for T7 tag are an important tool for studying expression of recombinant T7-tagged proteins.

Applications: WB (1:1000-5000)**ELISA** (1:1000-5000)**Reactivity:** Species independent**— VALIDATION IMAGES —**

Sample: Lane 1: T7-Tagged Fusion Protein
Overexpression E.coli Lysate at 2 ug Lane 2: T7-Tagged Fusion Protein Overexpression E.coli Lysate at 2 ug
Primary: Anti-T7-Tag (bsm-33012M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 41 kD
Observed band size: 45 kD

— SELECTED CITATIONS —

- **[IF=11.7]** Katsuhiro Sawasato. et al.Its own architect: Flipping cardiolipin synthase.SCIENCE ADVANCES.2025 Jan 3;11(1):eads0244. ;E. coli. 39752486