

Anti-T7 tag Antibody [4-C2]

EM50802



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Species independent
Applications:	WB, ELISA, IP, IF-Cell
Clone number:	4-C2

Description: The T7 tag is an epitope tag composed of an 11-residue peptide encoded from the leader sequence of the T7 bacteriophage gene10. This gene encodes a T7 major capsid protein whose function is not clear. The T7 tag has been used extensively as a general epitope tag in many expression vectors including the pET system that is based on T7 RNA polymerase expression systems. This antibody recognizes the T7-tag fused to either the amino- or carboxy-terminus of targeted proteins.

Immunogen: Synthetic peptide CMASMTGGQMG.

Positive control: T7-tagged recombinant protein.

Recommended Dilutions:

WB	1:1,000
ELISA	Use at an assay dependent concentration.
IF-Cell	Use at an assay dependent concentration.
IP	Use at an assay dependent concentration.

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

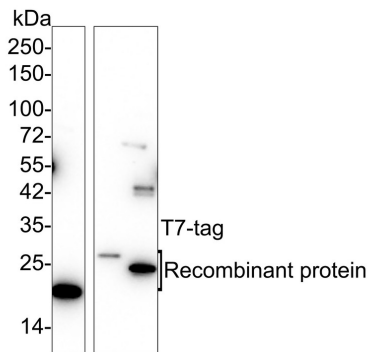


Fig1: Western blot analysis of T7 tag on different T7 tagged recombinant proteins with Mouse anti-T7 tag antibody (EM50802) at 1/1,000 dilution.

Lysates/proteins at 50 ng/Lane.

Exposure time: 43 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (EM50802) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Horn AV et al. Human LINE-1 restriction by APOBEC3C is deaminase independent and mediated by an ORF1p interaction that affects LINE reverse transcriptase activity. *Nucleic Acids Res* N/A:N/A (2013)
2. Kubota T., et al. Virus infection triggers SUMOylation of IRF3 and IRF7, leading to the negative regulation of type I interferon gene expression. *J Biol Chem.* 283:25660-70 (2008).

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